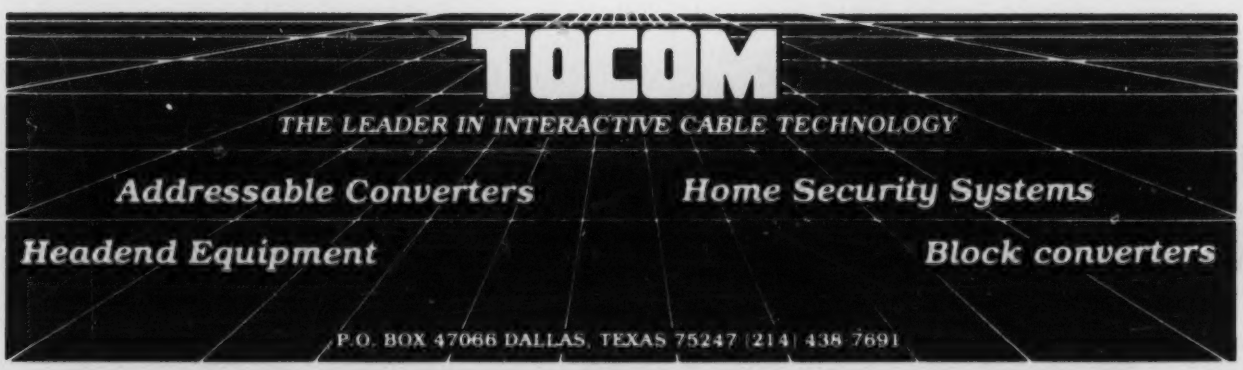
Programming Service	Satellite/ transponder	Start-up date	Affiliates (as of 8/82)	Subscribers (as of 8/82)	Price per subscriber	Programming hours
MTV (Music Television) 1211 Avenue of the Americas New York, NY 10036 (212) 944-4250 Susan S. Raisch	Satcom III R/11	8/81	700	6,000,000	free	24/day
National Christian Network 1150 W. King Street Cocoa, FL 32922 (305) 632-1510 Ray Kassis	Satcom IV/7	6/80	68	1,360,531	free	14/day
National Jewish Television 2621 Palisade Ave. New York, NY 10463 (212) 549-4160 Joel Levitch	Satcom III R/16	5/81	98	2,146,200	free	3/wk
Nickelodeon 1211 Avenue of the Americas New York, NY 10036 (212) 944-4250 Susan S. Raisch	Satcom III R/1	4/79	1770	8,700,000	15c	13/day
North American/ The Travel Channel 1375 Peachtree, Suite 220 Atlanta, GA 30309 (404) 892-7858 James Uglam	Satcom III R/6	12/76	114	876,000	5c	24/day
PTL Satellite Network 7224 Park Road Charlotte, NC 28279 (704) 542-6000 Jack Hightower	Satcom III R/2	4/78	600	5,500,000	free	24/day
Reuters Monitors Service 2 Wall Street New York, NY 10005 (212) 732-8305 Kurt Hansen	Satcom III R/18	1974	n.a.	n.a.	n.a.	24/day
Reuters News View 2 Wall Street New York, NY 10005 (212) 732-8305 Kurt Hansen	Satcom III R/6	1969	390	3,800,000	n.a.	24/day

Programming Service	Satellite/ transponder	Start-up date	Affiliates (as of 8/82)	Subscribers (as of 8/82)	Price per subscriber	Programming hours
Satellite News Channel I (SNC) 41 Harbor Plaza Drive P.O. Box 10210 Stamford, CT 06904 (203) 964-8355 Dan Ruth	Westar V	6/21/82	425	3,100,000	free	24/day
Satellite Programming Network (SPN) 8252 S. Harvard Ave. Tulsa, OK 74136 (918) 481-0881 Bill Sullivan	Westar IV/11X	1/79	410	4,757,126	free	24/day
SIN National Spanish Television Network 250 Park Avenue New York, NY 10177 (212) 953-7533 Susan Catapano	Westar IV/3X	9/76	192	24,000,000 Total 3,027,700 Spanish	10c per Spanish Sub	24/day
Trinity Broadcast Network P.O. Box A Santa Ana, CA 92711 (714) 832-2950 Stan Hollon	Satcom IV/17	5/78	213	2,650,000	free	24/day
USA Network 208 Harristown Road Glen Rock, NJ 07452 (201) 445-8550 Ken Kinderman	Satcom III R/9	9/80	2000	12,000,000	11c	24/day
The Weather Channel 2840 Mt. Wilkinson Parkway, Suite 200 Atlanta, GA 30339 (404) 434-6800 Cathy Lane	Satcom III R/21	5/82	534	5,100,000	free	24/day
WFMT/Chicago (United Video) 3801 S. Sheridan Rd. Tulsa, OK 74145 800-331-4806 Bob Price	Satcom III R/3	8/79	153	854,273	1c, 10c-FM	24/day
WGN-TV (United Video) 3801 S. Sheridan Rd. Tulsa, OK 74145 800-331-4806 Bob Price	Satcom III R/3	11/78	3230	9,619,396	10c	24/day

Programming Service	Satellite/ transponder	Start-up date	Affiliates (as of 8/82)	Subscribers (as of 8/82)	Price per subscriber	Programming hours
WOR-TV (Eastern Microwave) P.O. Box 4872 Syracuse, NY 13221 (315) 455-5955 Mary Cotter	Westar V/2D	4/79	630	4,234,301	10c	24/day
WTBS 1050 Techwood Dr. NW Atlanta, GA 30318 (404) 898-8500 Jeff Kupsky	Satcom III R/6	12/76	4535	22,005,000	10c	24/day



PAY PROGRAMMING SERVICES

Programming Service	Satellite/ transponder	Start-up date	Affiliates (as of 8/82)	Subscribers (as of 8/82)	Price per subscriber	Programming hours
Bravo 100 Crossways Parkway Woodbury, NY 11797 (516) 364-2222 Carol Shander	Satcom IV/6	12/80	33	63,293*	n.a.	10/day
Cinemax Time & Life Building Rockefeller Center New York, NY 10020 (212) 484-1000 David Meister	Satcom III R/ 20 (East) 23 (West)	8/80	1000	1,500,000	$3.50 approx.	24/day
The Entertainment Channel (RCTV) 1133 6th Avenue New York, NY 10036 (212) 930-4900 Jim Mills	Satcom IV/8	6/82	n.a.	n.a.	n.a.	24/day
EROS 2 Lincoln Square Suite 18A New York, NY 10023 (212) 595-7900 Bonnie Williams	Westar IV/10D	5/82	10	50,000	$1.00 approx.	9/wk
Escapade 100 Crossways Parkway Woodbury, NY 11797 (516) 364-2222 Carol Shander	Satcom IV/7	12/80	158	252,146*	n.a.	10/day
GalaVision 250 Park Avenue New York, NY 10177 (212) 953-5733 Susan Catapano	Westar IV/12X	10/79	145	100,000	n.a.	M-F 12/day 24/wk.end
Home Box Office (HBO) Time & Life Building Rockefeller Center New York, NY 10020 (212) 484-1000 Michael Fuchs	Satcom III R 13 (West) 24 (East)	9/75	3600	9,000,000	$4.00 approx.	24/day

Programming Service	Satellite/ transponder	Start-up date	Affiliates (as of 8/82)	Subscribers (as of 8/82)	Price per subscriber	Programming hours
Home Theater Network Plus 465 Congress Street Portland, ME 04101 (207) 774-6334 Kathy Peterson	Satcom III R/16	7/77	275	155,000	$2.95	12/day
The Movie Channel 1211 Avenue of the Americas New York, NY 10036 (212) 944-4250 Susan R. Raisch	Satcom III R/5	1/80	2150	2,200,000	$4.60 maximum	24/day
Showtime 1633 Broadway New York, NY 10019 (212) 708-1600 Jack Heim, Tola Murphy	Satcom III R/ 10 (West) 12 (East)	7176	1800	3,500,000	n.a.	24/day
Spotlight P.O. Box 2320 2951 28th St. Suite 2000 Santa Monica, CA 90405 (213) 450-6488 Monique Blanke *as of 6/82.	Satcom III R/4	5/81	n.a.	n.a.	n.a.	24/day

CABLE ANNOUNCED SATELLITE FED PROGRAMMING SERVICES

ABC/ESPN Pay Service
ESPN Plaza, 935 Middle Street
Bristol, CT 06010
203-584-8477
Rosa Gatti
4th quarter 1982 launch

Appollo Satellite Television
c/0 Inter City Broadcasting Corp.
801 2nd Ave.
New York, NY 10017
212-953-0300
Percy Sutton
10/82 launch

The Buena Vista Channel
912 Northeastern
Los Angeles, CA 90063
213-269-0391
Ed Sterling
1983 launch

Cable News Corporation
Business Route 101
Epping, NH 03842
603-679-2222
Dennis Alvia
1/83 launch

Cableshop
c/o Adams Russell
1380 Main Street
Waltham, MA 02154
617-894-8540
John Pollock
2nd quarter 1983 launch

Catholic Telecommunications Network of America
95 Madison Ave.
New York, NY 10016
212-696-0800
Betty Haig
9/82 launch
Programming hours = M—F 3/day

Christian Media Network
Maryland
Chris Weaver
Relaunch to be announced

Cinemerica
9477 Brighton Way
Beverly Hills, CA 90210
213-550-1563
Ken Silverman
Launch to be announced

The Disney Channel
Walt Disney Productions
41 Harbor Plaza Drive
Stamford, CT 06904
203-964-8355
Barbara Ruger
2nd quarter 1983 launch
Westar IV

Family Programming Network
Chattanooga, TN
Billy Batts
Launch to be announced

Heartbeat Media Network
1700 Broadway
New York, NY 10019
212-582-9552
Derrick Meade
4th quarter 1982 launch

Home Music Store
1800 M Street NW
Washington D.C. 20036
202-822-9128
83/84 launch

The Job Channel
Launch to be announced

Kidvid Network
342 Madison Ave.
New York, NY 10173
212-867-1700
Claude Hill
10/82 launch
Price per sub = free
Programming hours = 21/wk

Lewmark Productions Music
8730 West 3rd Street
Los Angeles, CA 90048
213-275-4558
Mark Tobias
Launch to be announced

Magicable
Intermedia Entertainment Service
1350 Ave. of the Americas
New York, NY 10019
212-247-1700
David Smith
3rd quarter 1984 launch

Nashville Network
c/o WSM, P.O. Box 100
Nashville, TN 87202
615-889-6840
Tom Griscom
2/83 launch
Programming hours = 18/day

National Jazz Network (audio)
P.O. Box 157
Amhurst, MA 01002
413-549-0811
Eric Reid
1982 launch

PBS Cable
L'Enfant Plaza
Washington D.C. 20024
Launch to be announced

Penthouse Entertainment Network
888 7th Ave.
New York, NY 10106
212-489-7231
Bob Jacobs
Launch to be announced

Satellite News Channel Two
41 Harbor Plaza Drive
Stamford, CT 06904
203-964-8355
Dan Ruth
2nd quarter 1983 launch
Price per sub = free
Programming hours = 24/day
Westar V

Sitcom Channel (Channeltainment
Box 1081
Knoxville, TN 37601
615-524-8575
1st quarter 1984 launch

Spanish Universal Network
2990 Richmond Street, Suite 140
Houston, TX 77098
713-522-2013
Jerry Morris
7/82 launch

SPN/International Network
SPN/Financial-Religious Network
SPN/Classic Movie Network
SPN/How-to Network
8252 S. Harvard Ave.
Tulsa, OK 74136
918-481-0881
Bill Sullivan
Launch to be announced

Top Entertainment Network
Launch to be announced

United Statellite Television Network
(4 services)
919 3rd Ave. 27th floor
New York, NY 10022
212-750-8666
Richard Blume
1st Quarter 1983 launchs

UTV Cable Network
22-08 Route 208
Fairlawn, NJ 07410
201-794-3660
1/83 launch
Wesar V/10X
Price Per sub = free
Programming hours = 24/day

Video Concert Hall
2215 Perimeter Park
Suite 21, P.O. Box 54105
Atlanta, GA 30341
Charles Henderson
7/82 launch
Price per sub = free

Window
Public Interest Video Network
2712 Ontario NW
Washington D.C. 20009
202-797-8997
Kim Spencer
Launch to be announced

BASIC SERVICES GROWTH CHART

1979-1982 Affiliate & Subscriber Counts

		9/79	5/80	11/80	5/81	11/81	5/82
ARTS	Affiliates	—	—	—	700	1,500**	1,650
	Subscribers	—	—	—	3,500,000*	5,750,000**	7,300,300
ACSN	Affiliates	—	—	55	135	213	210
	Subscribers	—	—	500,000	600,000	1,474,242	1,511,402
BET	Affiliates	—	321	530	640	784	845
	Subscribers	—	3,180,000	5,201,004	6,640,000	8,753,200	9,100,000
CNN	Affiliates	—	200	545	1,040	1,771	2,315
	Subscribers	—	1,700,000	3,662,316	5,600,000	9,510,000	13,855,000
CNN2	Affiliates	—	—	—	—	—	154
	Subscribers	—	—	—	—	—	1,200,000
C-SPAN	Affiliates	N/A	700	875	1,020	1,200	1,000
	Subscribers	4,500,000	5,500,000	6,250,000	7,700,000	10,500,000	11,000,000
CBS Cable	Affiliates	—	—	—	—	250	350
	Subscribers	—	—	—	—	3,000,000	4,500,000
CBN	Affiliates	N/A	1,800	2,692	2,000*	3,100	2,935
	Subscribers	6,000,000	8,000,000	8,450,000	10,200,000	14,300,000	16,600,000
Daytime	Affiliates	—	—	—	—	—	385
	Subscribers	—	—	—	—	—	5,608,247
Dow Jones	Affiliates	—	—	—	—	—	45
	Subscribers	—	—	—	—	—	53,500
Electronic Program Guide	Affiliates	—	—	—	—	—	22
	Subscribers	—	—	—	—	—	275,000
ESPN	Affiliates	N/A	564	1,094	1,859	2,896	3,881
	Subscribers	4,000,000	3,710,000	6,647,000	9,450,000	13,174,171	16,431,162
Eternal Word Television Network	Affiliates	—	—	—	—	21	27
	Subscribers	—	—	—	—	300,000	407,187
Financial News Network	Affiliates	—	—	—	—	—	16
	Subscribers	—	—	—	—	—	350,000

		9/79	5/80	11/80	5/81	11/81	5/82
MSN	Affiliates	N/A	282	425	470	538	363
	Subscribers	N/A	2,800,000	3,100,000	3,800,000	4,100,000	4,450,000
MTV	Affiliates	—	—	—	—	300	600
	Subscribers	—	—	—	—	2,500,000	4,000,000
National Christian Network	Affiliates	—	N/A	N/A	N/A	50	37
	Subscribers	—	N/A	N/A	N/A	269,819	523,227
National Jewish Television	Affiliates	—	—	—	25	68	92
	Subscribers	—	—	—	750,000	1,614,325	1,906,050
Nickelodeon	Affiliates	N/A	380	660	1,170	1,500**	1,725
	Subscribers	1,000,000	1,650,000	3,100,000	4,600,000	5,750,000**	7,700,000
North American/ The Travel Channel	Affiliates	—	—	—	—	—	114
	Subscribers	—	—	—	—	—	876,000
PTL	Affiliates	N/A	203	224	319	417	600
	Subscribers	1,500,000	2,000,000	3,750,000	3,800,000	4,100,000	5,500,000
Reuters	Affiliates	—	—	—	—	—	390
	Subscribers	—	—	—	—	—	3,800,000
SNC I	Affiliates	—	—	—	—	—	300
	Subscribers	—	—	—	—	—	2,600,000
SPN	Affiliates	N/A	412	569	220	369	475
	Subscribers	712,000	2,500,000	3,257,196	2,300,000	3,404,980	4,731,294
SIN	Affiliates	—	36	76	79	160	488
	Subscribers	—	70,000*	2,590,600*	100,200*	2,756,800*	3,027,700*
Trinity	Affiliates	N/A	300	332	80	140	170
	Subscribers	2,000,000	3,000,000	3,750,000	938,745	1,271,562	1,587,000
USA Network	Affiliates	—	1,000	1,106	1,250	1,650	1,750
	Subscribers	4,000,000	5,000,000	5,900,704	7,500,000	9,250,000	11,000,000
The Weather Channels	Affiliates	—	—	—	—	—	353
	Subscribers	—	—	—	—	—	4,500,000
WGN	Affiliates	N/A	725	1,209	1,465	2,196	2,777
	Subscribers	1,000,000	1,730,000	4,488,487	4,290,000	7,403,427	8,300,000
WOR	Affiliates	N/A	177	457	531	1,123	1,360
	Subscribers	300,000	442,000	3,000,000	2,100,000	4,450,761	5,015,244
WTBS	Affiliates	N/A	2,003	2,585	3,001	3,704	4,152
	Subscribers	5,000,000	8,220,000	9,905,551	11,530,000	17,545,000	21,190,000

*Estimated Spanish speaking households/affiliates
**Combined stats for ARTS/Nickelodeon

PAY SERVICES GROWTH CHART

1977-1982 Affiliate & Subscriber Counts

		8/77	2/78	9/78	2/79	9/79	5/80	12/80	5/81	12/81	6/82
BRAVO	Affiliates	—	—	—	—	—	—	21*	40*	25	31
	Subscribers	—	—	—	—	—	—	60,000*	100,000	47,000	56,827
Cinemax	Affiliates	—	—	—	—	—	—	130	200	600	900
	Subscribers	—	—	—	—	—	—	N/A	200,000	1,000,000	1,500,000
Eros	Affiliates	—	—	—	—	—	—	—	—	—	10
	Subscribers	—	—	—	—	—	—	—	—	—	25,000
Escapade/Playboy	Affiliates	—	—	—	—	—	—	21*	40*	90	150
	Subscribers	—	—	—	—	—	—	60,000*	100,000*	185,000	240,115
GalaVision	Affiliates	—	—	—	—	—	23	44	68	122	134
	Subscribers	—	—	—	—	—	9,750	36,000	65,000	95,000	100,000
HBO	Affiliates	350	475	576	731	1,100	1,700	2,000	2,500	3,300	3,600
	Subscribers	700,000	1,000,000	1,500,000	2,100,000	2,750,000	4,000,000	5,000,000	6,000,000	8,500,000	9,000,000
HTN Plus	Affiliates	—	—	5	12	41	75	150	165	275	275
	Subscribers	—	—	4,000	10,000	20,000	73,000	133,000	140,000	155,000	155,000
Showtime	Affiliates	39	66	99	250	525	700	900	1,100	1,300	1,500
	Subscribers	61,228	120,000	230,000	625,000	825,000	1,000,000	1,600,000	2,000,000	2,850,000	3,000,000
The Movie Channel	Affiliates	—	—	—	—	—	213	650	1,050	1,500	2,150
	Subscribers	—	—	—	—	—	253,417	600,000	975,000	1,750,000	2,200,000

SATELLITE DIRECTORY

The following is a listing of all existing satellites serving the continental United States, their launch dates, number of transponders, frequency and transponder users. Satellite applications pending as of 7/82 and projected launch dates are also included. Note: all degrees west longitude.

Hughes Communications Corp.

Galaxy I
Projected launch date May 1983 (24/ 4/6 GHz)
Transponders reserved: Time, Inc. (6), Westinghouse (4), Turner Broadcasting (2), Times Mirror (2), Viacom (2).

Galaxy II
Projected launch date September/83. (24/ 4/6 GHz)

Galaxy III
Projected launch date pending demonstration of market demand. (24/ 4/6 GHz)

RCA Americom Domestic Satellite System

SATCOM IIIR
Launched 11/81 (24/ 4/6 GHz)

Transponder**	User
1	Warner Amex (Nickelodeon/ARTS)
2	PTL Satellite Network
3	United Video (WGN, WFMT, Lifestyle, Electronic Program Guide)
4	Times Mirror for Spotlight
5	Warner Amex (The Movie Channel)
6	Southern Satellite Systems (SSS), (WTBS, Reuters NewsView, Dow Jones)
7	Entertainment & Sports Program Network (ESPN)
8	CBN Cable Network
9	USA Network
10	Showtime (west)
11	Warner Amex (MTV)
12	Showtime (east)
13	HBO (west)
14	Cable News Network (CNN 1)
15	Warner Amex owned—used by Cable News Network (CNN 2)
16	Showtime, ACSN, National Jewish Television, HTN Plus
17	Showtime owned—used by Cable Health Network
18	Reuters Monitors Service, Eternal Word Television Network
19	C-SPAN
20	HBO/Cinemax (east)
21	The Weather Channel
22	HBO (west), MSN leased for Daytime
23	HBO/Cinemax (west)
24	HBO (east)

SATCOM IV
Launched 1/82 (24/ 4/6 GHz)

Transponder**	User
1	HBO
2	CBS
3	BET
4	Warner Amex
5	ABC
6	ESPN, Bravo (evenings)
7	National Christian Network, Escapade (evenings)
8	RCTV—The Entertainment Channel
9	Open
10	Open
11	Warner Amex
12	CBS
13	Open
14	Open
15	Viacom (Biznet)
16	Open
17	Trinity Broadcasting Network
18	HBO
19	The American Network
20	Open
21	RCTV
22	ABC
23	Open
24	NBC

SATCOM V
Projected launch date mid-1983

SATCOM IR
Projected launch date September 1983

SATCOM IIR
Projected launch date September 1983

Southern Pacific Communications Co.

SPACENET I
Projected launch date February 1984 (18/ 4/6 GHz, 6/ 12/14 GHz)
Transponders reserved: SSS (3), Pop Network (3), SIN (2), Landmark Communications (2), Bonneville International (3), Southern Baptist Convention (2), United Video (1), Midwest Radio & TV (1), Double-B Enterprises (1), Rainbow Communications (1) and NBC (1).

SPACENET II
Projected launch date October 1984 (18/ 4/6 GHz, 6/ 12/14 GHz)

SPACENET III
Presently being built.

Western Union

WESTAR I (099°)
Audio transmission only. Launched 4/74. (12/4/6 GHz)

WESTAR II (123.5°)
Used by Robert Wold Co., American Satellite Corp., Western Union message service. Launched 10/74. (12/4/6 GHz)

WESTAR III (091°)
Launched 8/79. (12/4/6 GHz)

WESTAR IV (099°)
Launched 7/82 (24/4/6 GHz)

Transponder	User
3D	CBS Cable
8X	SIN
5D	Wold Communications
5X	Wold Communications (Financial News Network, SelecTV)
9X	Wold Communications—pay service TBA
10D	Wold Communications (Eternal Word Television Network, EROS
11X	SPN
12X	GalaVision

Also: ABC-TV, Bonneville, PBS, Hughes Television Network, American Satellite, Intelsat and Equatorial have transponders.

WESTAR V (075°)
Launched 7/82 (24/4/6 GHz)

Transponder	User
1D	Hughes Television Network
1X	CBS/Fox
2D	WOR (subleased from Westinghouse by Robert Wold Co.)
2X	Dow Jones/UTV Cable Network
3D	Citicorp
3X	Dow Jones
4D	CBS Cable
4X	Satellite News Channels 1
5D	American Satellite Co (AmSat)/TCI
5X	AmSat
6D	Satellite News Channels 1
6X	AmSat
7D	AmSat/DCM
7X	Satellite News Channels 1
8D	Satellite News Channels 2
8X	Satellite News Channels 1 & 2 (incoming)
9D	Nashville Network
9X	Satellite News Channels 1
10D	Citicorp
10X	American Medical Bldgs/UTV Cable Network
11D	The Disney Channel (east)
11X	Digital Communications Corp.
12D	The Disney Channel (west)
12X	TCI/BET

**All information is as of August 1982.

Metrotech
Media Corp.

Local Origination Programming

BOUGHT - SOLD - TRADED
SYNDICATED

Direct Response Commercials
Available for PI. Airing

Exclusive Distributor for:

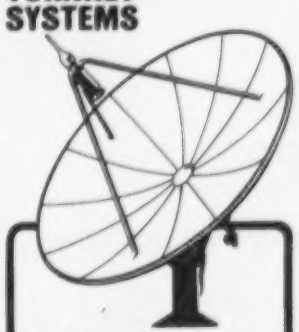
SHOPPING AROUND™
The cable shopping show that is available FREE *and* pays you 25% of net profit.

METROTECH MEDIA CORP.
150 FIFTH AVENUE
NEW YORK, NEW YORK 10011
(212) 691-6913

CableVision
The News Weekly Preferred By More Cable Readers

CABLEVISION—Your best source for cable industry news and information.
To subscribe, call or write:
CableVision
Circulation Dept.
P.O. Box 5727 T.A.
Denver, CO 80217
303/295-0900

CATV & SMATV
TURNKEY SYSTEMS



- Addressable Tap Systems
- Cable Plant Hardware and Accessories
- Distribution Equipment and Cable
- Software Services and Development
- System Leasing and Financing

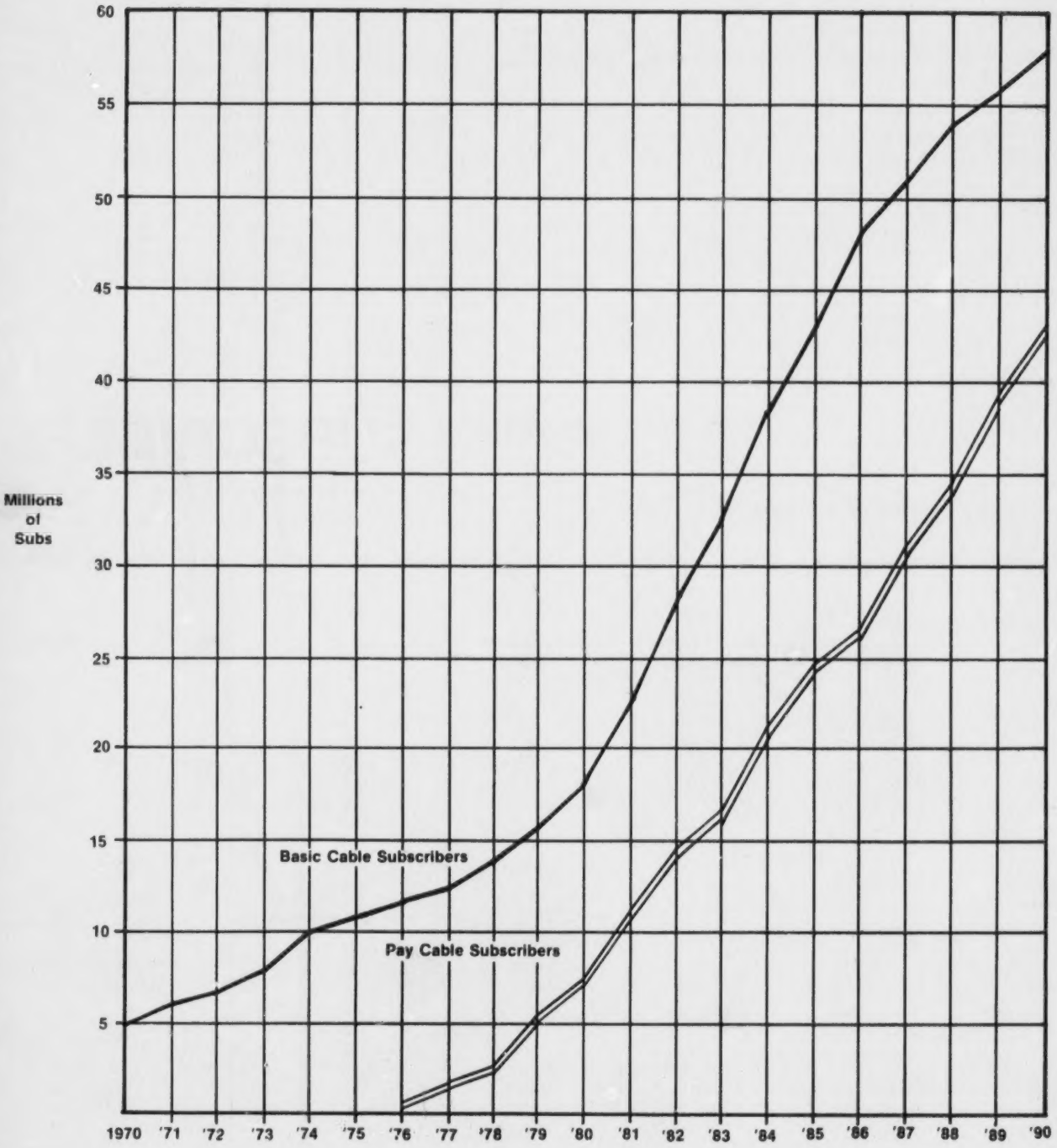
mc
Merrill Communications Inc.

BASIC/PAY SUBSCRIBERS

The charts and table below illustrate the growth of both basic and pay cable over the last decade and offer projections for their continued growth in the next 10 years.

Year	TVHH	Basic Cable Subscribers	Pay Cable Subscribers	Basic/ TVHH	Pay/ TVHH	Basic/ Pay
1990E	95,800,000	58,396,000	43,068,000	61	45	73.8
1989E	94,000,000	56,340,000	40,360,000	60	43	71.6
1988E	92,000,000	54,280,000	38,642,000	59	42	71.2
1987E	90,200,000	51,414,000	35,178,000	57	39	68.4
1986E	88,600,000	47,844,000	31,010,000	54	35	64.8
1985E	86,900,000	43,450,000	26,939,000	50	31	62.0
1984E	85,200,000	38,340,000	23,004,000	45	27	60.0
1983E	83,600,000	32,604,000	18,392,000	39	22	56.4
1982E	82,000,000	27,880,000	14,760,000	34	18	52.9
1981	80,700,000	22,596,000	11,804,000	28	15	52.2
1980	77,800,000	18,672,000	7,780,000	24	10	41.7
1979	76,300,000	16,023,000	5,341,000	21	7	33.3
1978	74,500,000	14,155,000	2,980,000	19	4	21.1
1977	73,300,000	13,194,000	1,466,000	18	2	11.1
1976	71,114,000	12,094,000	505,000	17	1	4.6
1975	69,600,000	11,136,000	N/A	16	N/A	N/A
1974	68,500,000	10,275,000	N/A	15	N/A	N/A
1973	66,200,000	8,606,000	N/A	13	N/A	N/A
1972	64,800,000	7,128,000	N/A	11	N/A	N/A
1971	62,100,000	6,210,000	N/A	10	N/A	N/A
1970	60,100,000	5,409,000	N/A	9	N/A	N/A

Basic & Pay Cable
Subscriber Growth 1970-1990



FEDERAL COMMUNICATIONS COMMISSION—1980 CABLE TELEVISION INDUSTRY DATA

Reliable figures on the cable television industry are hard to come by, especially financial data. The Federal Communications Commis[illegible] recently released its computations for the cable industry in 1980 and, although dated, it does shed some light on the grow[illegible]e industry in the last six years. The tables and charts below cover the 1980 fiscal year and the growth of the cable indust[illegible]om 1975 to 1980.

NATIONAL CABLE TELEVISION INDUSTRY FINANCIAL DATA FOR FISCAL YEAR 1980

Size of System (by subscribers)	Number of Communities	Number of Finan. Entities	Number of Subscribers	Average Subscriber Rate
Less than 500	527	447	103,763	7.86
500-999	599	383	280,434	8.06
1,000-3,499	1,790	817	1,684,530	7.77
3,500-4,999	805	267	1,115,166	7.77
5,000-9,999	1,574	398	2,801,545	7.74
10,000-20,000	1,353	263	3,650,234	7.59
Over 20,000	1,709	187	6,651,763	7.82
TOTALS:	**8,357**	**2,762**	**16,287,436**	**7.69**

Source: Federal Communications Commission

SELECTED CONSOLIDATED INCOME STATEMENT ACCOUNTS

ACCOUNTS	TOTAL
Subscriber revenues	1,486,585,248
Pay TV revenues	553,526,651
Total operating revenues	2,155,220,148
Service expenses	510,964,026
Pay TV expenses	221,825,107
Pole rentals	44,394,597
Microwave costs	20,366,368
Origination expense	33,756,116
Selling gen & adm expenses	619,170,821
Total salaries	430,635,940
Total operating expenses	1,385,716,070
Total operating income	769,504,078
Depreciation & amortization	399,256,807
Interest expenses	202,708,405
Net income before taxes	161,897,204

SELECTED BALANCE SHEET STATEMENT ACCOUNTS

ACCOUNTS	TOTAL
Current assets	383,751,439
Accumulated depreciation	1,659,641,893
Fixed assets	3,080,498,175
Total assets	4,278,980,805
Curr liab & defer credits	1,074,776,506
Long term liabilities	1,640,052,946
Total owners equity	1,368,955,400

FINANCIAL RATIOS

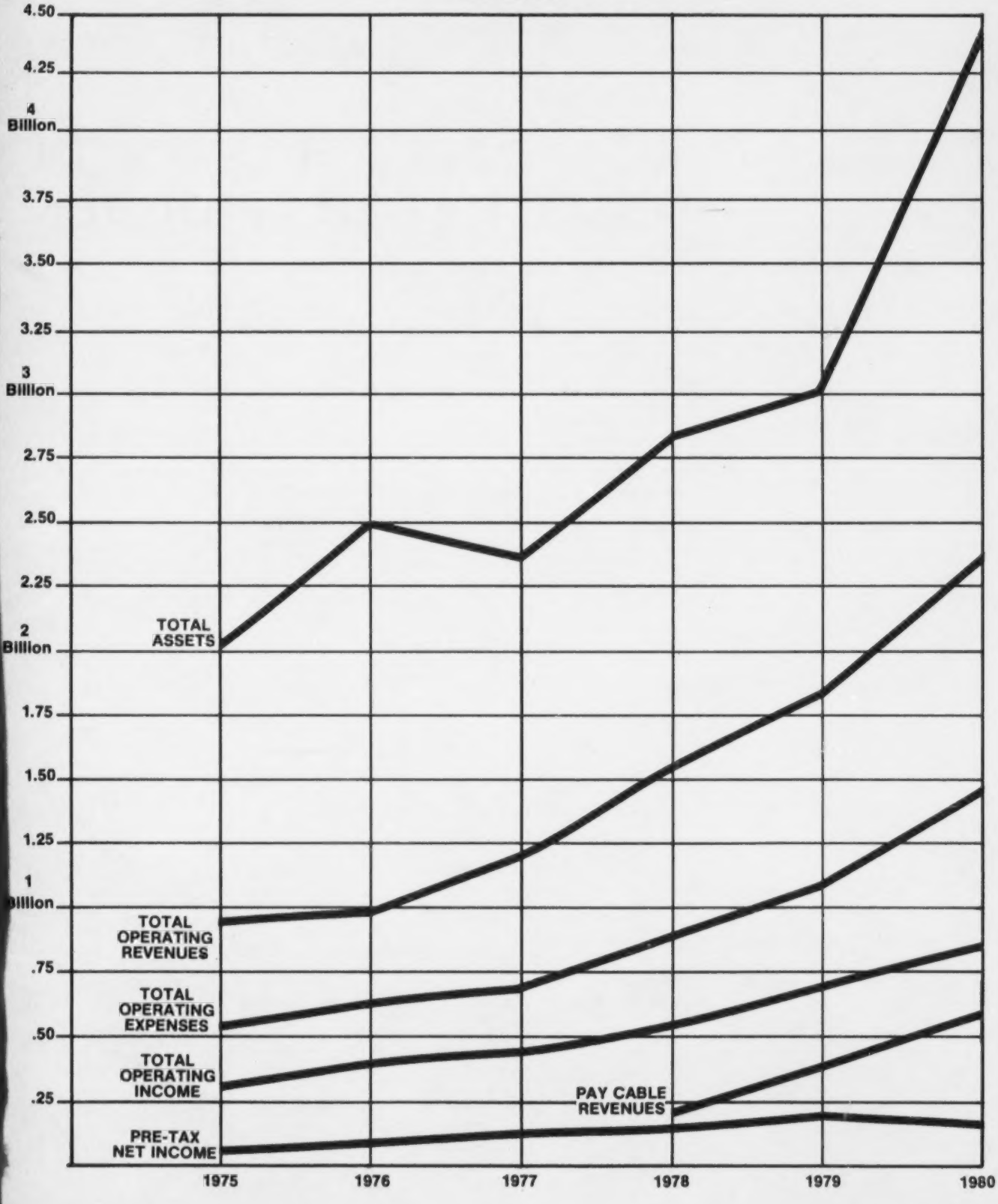
Current ratio	.5
Pre-tax profit margin	7.5%
& of CATV systems w/pay TV	66.0%
Communities w/pay TV	6,649
Debt ratio	53.9%
Pre-tax return on assets	3.8%
No. CATV systems w/pay TV	1,824

SELECTED FINANCIAL DATA 1975-1980

	1975	1976	1977	1978	1979	1980	% Change '75-'80
Communities	6,265	7,198	8,369	8,200	8,539	8,678	38.5
Financial Entities	2,443	2,349	2,557	2,865	2,992	2,868	17.4
Subscribers	9,863,000	11,648,498	12,832,014	14,113,945	15,759,500	16,913,224	71.5
Average Subscriber Rate	$6.21	$6.49	$6.85	$7.03	$7.37	$7.69	23.8
Operating Revenues	$894,918,101	$999,753,785	$1,205,875,773	$1,511,028,545	$1,817,144,960	$2,238,027,153	150.1
Operating Expenses	567,360,186	615,882,714	716,950,304	918,025,164	1,126,595,322	1,438,957,497	153.6
Net Income	26,884,313	57,662,612	133,736,554	137,120,149	199,328,409	168,117,553	525.3
Total Assets	$2,131,526,689	$2,515,732,873	$2,450,458,111	$2,870,739,878	$3,211,574,387	$4,443,386,090	108.0

Source: Federal Communications Commission

CABLE TELEVISION INDUSTRY FINANCIAL HIGHLIGHTS
1975-1980



CABLE TELEVISION INDUSTRY DEBT FIGURES

A cable system's ability to fulfill its franchise promises usually depends on the availability of and success in obtaining financing. In recent years the cable industry's debt has increased significantly as the last rounds of the franchise wars have been fought and massive city systems have begun construction. The tables and charts below illustrate the finance industry's gradual acceptance of cable as a financially legitimate industry and indicate the lending climate the cable industry can expect in the future.

BANK LOANS

At December 31,

Year	Number of Lenders Surveyed	Outstandings	Unfunded Commitments	Projected New Loan Volume
1982 Estimated	86	$3,741,866,000	N/A	$1,720,050,000
1981	120	2,635,117,000	2,730,133,000	1,086,800,000
1980	120	1,398,552,000	1,451,115,771	595,050,000
1979	123	677,185,000	888,249,000	321,300,000
1978	123	522,400,000	311,200,000	231,000,000
1977	123	550,000,000	148,000,000	263,000,000
1976	110	538,000,000	N/A	N/A
1975	98	616,000,000	N/A	N/A

INTERMEDIATE TERM LOANS

At December 31,

Year	Number of Lenders Surveyed	Outstandings	Unfunded Commitments	Projected New Loan Volume
1982 Estimated	4	$139,000,000	N/A	$37,000,000
1981	7	131,600,000	$4,408,000	32,000,000
1980	7	141,830,000	10,600,000	34,000,000
1979	9	137,056,000	17,777,000	39,000,000
1978	9	127,700,000	11,800,000	47,500,000
1977	9	117,000,000	8,000,000	43,000,000
1976	9	120,000,000	N/A	43,000,000
1975	9	118,000,000	N/A	N/A

INSURANCE COMPANY LOANS

At December 31,

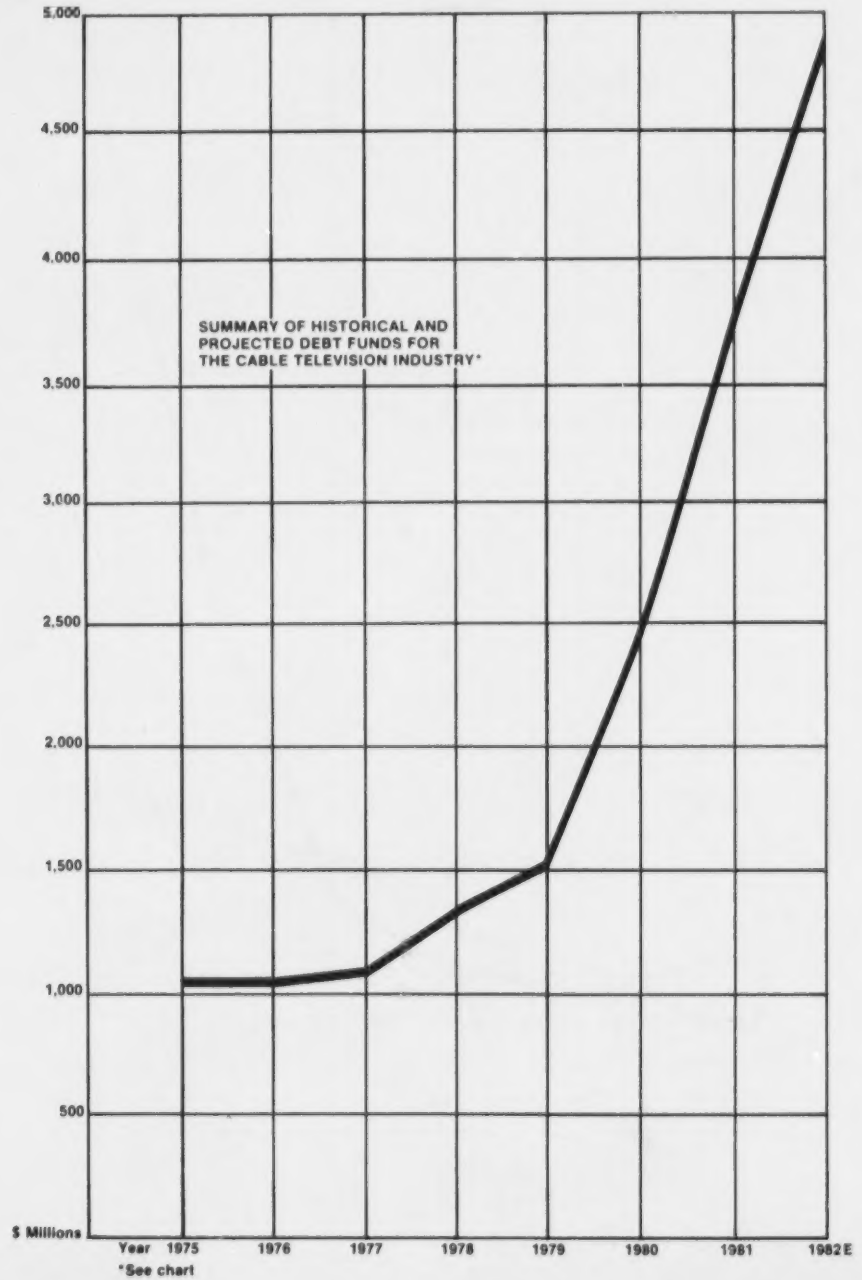
Year	Number of Lenders Surveyed	Outstandings	Unfunded Commitments	Projected New Loan Volume
1982 Estimated	21	1,061,600,000	N/A	$144,000,000
1981	30	940,437,000	$64,950,000	217,000,000
1980	30	884,368,000	91,925,000	102,250,000
1979	31	763,897,000	88,015,000	176,800,000
1978	35	633,000,000	66,300,000	209,000,000
1977	35	484,000,000	34,500,000	124,000,000
1976	28	398,000,000	N/A	116,000,000
1975	30	341,000,000	N/A	41,000,000
1974	31	302,000,000	N/A	N/A

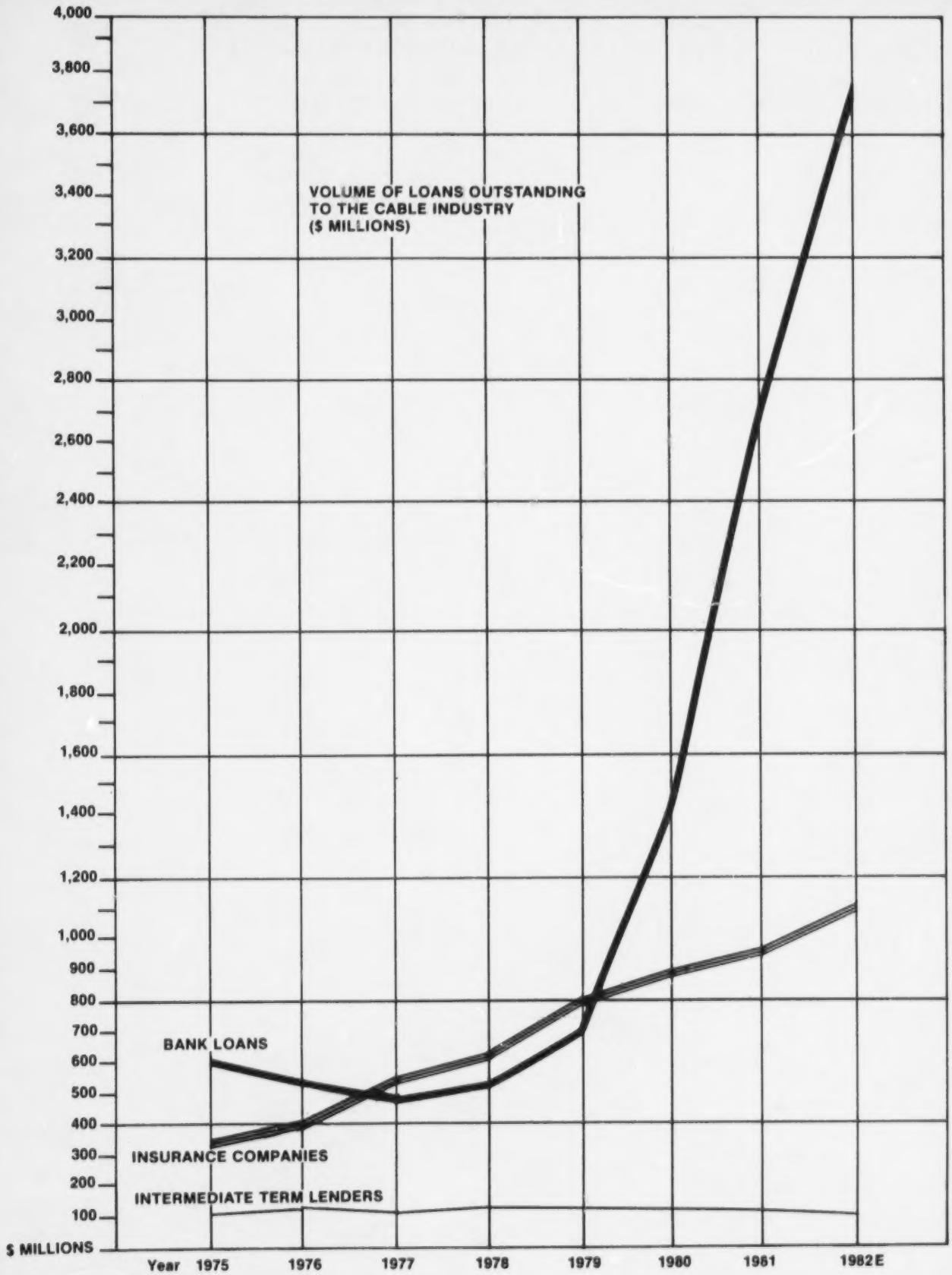
SUMMARY OF HISTORICAL AND PROJECTED DEBT FUNDS FOR THE CABLE TELEVISION INDUSTRY

Outstanding at December 31, 1980	Banks	Insurance Companies	Intermediate Term Lenders	TOTAL
1982 E	$3,741,866,000	$1,061,600,000	$139,000,000	$4,942,466,000
1981	2,635,117,000	940,437,000	131,600,000	3,707,154,000
1980	1,398,552,000	884,368,000	141,830,000	2,424,750,000
1979	677,185,000	763,897,300	137,056,000	1,578,138,300
1978	552,400,000	633,000,000	127,700,000	1,313,100,000
1977	550,000,000	484,000,000	117,000,000	1,151,000,000
1976	538,000,000	398,000,000	120,000,000	1,056,000,000
1975	616,000,000	341,000,000	118,000,000	1,075,000,000

Source: Direct reports sent by Warburg Paribas Becker—A. G. Becker to more than 150 lending institutions including more than 70 of the 100 largest banks in the United States.

E = Estimated.





Source: Warburg Paribus Becker

LEADING LENDERS TO THE CABLE TELEVISION INDUSTRY
BASED ON OUTSTANDINGS AT DECEMBER 31, 1981
IN EXCESS OF $10 MILLION

BANKS	Loans Outstanding at December 31 1981 (1)	1980 (1)
1. Chase Manhattan Bank	$304,400,000	$205,400,000
2. Toronto-Dominion Bank	251,000,000 (2)	80,350,000 (2)
3. Continental Illinois National Bank & Trust	240,000,000	70,600,000
4. Manufacturers Hanover Trust	186,870,000 (3)	44,735,000
5. First National Bank of Boston	185,591,000	138,442,000
6. First National Bank in Dallas	125,000,000	55,000,000
7. Citibank	115,000,000	80,000,000
8. Bank of New York	104,700,000	55,900,000
9. National Bank of North America	90,000,000	74,000,000
10. Bankers Trust Company	81,000,000	45,000,000
11. Wells Fargo Bank	65,400,000	58,500,000
12. First National Bank of Chicago	58,249,000	49,179,000
13. Fidelity Bank	52,000,000	42,000,000
14. Philadelphia National Bank	50,500,000	20,500,000
15. Security Pacific National Bank	49,800,000	33,000,000
16. American Security Bank	47,000,000	26,800,000
17. Bank of New England (4)	45,603,000	11,600,000
18. Union Commerce Bank	44,500,000	33,221,000
19. Provident National Bank	40,000,000	23,849,000
20. Industrial National Bank of Rhode Island	35,000,000	30,000,000
21. Bank of America	34,900,000	16,835,000
22. Bank of California	33,928,000	9,949,000
23. Chemical Bank	27,980,000	22,200,000
24. Hartford National Bank	26,500,000	17,300,000
25. Pittsburgh National Bank	26,161,000	14,800,000
26. Connecticut Bank & Trust Company	25,300,000	25,000,000
27. First Wisconsin National Bank	25,200,000	10,300,000
28. U.S. Trust Company	23,800,000	18,500,000
29. Republic National Bank of Dallas	23,500,000	15,000,000
30. First National Bank of Fort Worth	23,167,000	6,620,000
31. European American Bank	18,000,000	9,500,000
32. First Interstate Bank of California (5)	16,530,000	7,100,000
33. Wachovia Bank & Trust Company	13,760,000	20,578,000
34. Merchants National Bank	13,000,000	12,000,000
35. First National Bank of Denver	12,886,000	4,422,000
36. First National Bank of Minneapolis	10,191,000	7,621,000

INTERMEDIATE TERM LENDERS		
1. Barclays American/Business Credit, Inc.	$42,000,000	$53,000,000
2. Firstmark Financial	38,000,000	39,100,000
3. Heller-Oak Communications Finance	36,000,000	35,000,000 (6)
4. Becker Communications Associates	10,600,000	13,900,000 (7)

INSURANCE COMPANIES		
1. John Hancock Mutual Life Insurance Company	$186,000,000	$180,000,000
2. Teachers Insurance & Annuity	173,400,000	154,000,000
3. Aetna Life Insurance Company	141,730,000	114,203,000
4. Mutual Life Insurance Company of New York	118,000,000	102,100,000
5. The Travellers Insurance Company	87,100,000	87,750,000
6. Massachusetts Mutual Life Insurance Company	62,000,000	66,000,000
7. Equitable Life Assurance Company	47,590,000	50,079,000
8. Home Life Insurance Company	32,461,000	37,043,000
9. Connecticut Mutual Life Insurance Company	25,200,000	27,300,000
10. Connecticut General Life Insurance Company	25,000,000	27,600,000
11. Phoenix Mutual Life Insurance Company	17,555,000	18,391,000
12. Union Mutual Life Insurance Company	13,017,000	11,378,000

(1) Net of participating and unfunded commitments.
(2) Outstanding to U.S. cable operators.
(3) Total bank outstanding.
(4) Previously New England Merchants National Bank.
(5) Previously United California Bank.
(6) Includes deferred income and guarantees.
(7) Includes unfunded commitments.

TOP 50 CABLE COMPANIES

The companies listed here are 50 of the top firms involved in the cable industry ranked by total revenues. The listings are organized in alphabetical order followed by a financial overview of each company.

Top 50 line-up

1. General Electric Company
2. Getty Oil Company
3. General Telephone & Electric Corp.
4. Westinghouse Electric Corp.
5. RCA Corp.
6. American Express Company
7. Gulf+Western Industries
8. CBS Inc.
9. The Penn Central Corp.
10. Time Inc.
11. Warner Communictions Inc.
12. North American Philips Corp.
13. ABC Inc.
14. The Times Mirror Company
15. Pioneer Electronic Corp.
16. Tribune Company
17. MCA Inc.
18. Zenith Radio Corp.
19. Knight-Ridder Newspapers Inc.
20. Sammons Enterprises
21. Central Telephone & Utilities Corp.
22. Walt Disney Productions
23. The New York Times Company
24. General Instrument Corp.
25. Insilco Corp.
26. Dow Jones & Company
27. Capital Cities Communications Inc.
28. M/A-COM Inc.
29. Oak Industries Inc.
30. Arvin Industries
31. Rollins Inc.
32. Anixter Brothers Inc.
33. Wometco Enterprises Inc.
34. Cox Broadcasting Corp.
35. Playboy Enterprises Inc.
36. Harte-Hanks
37. Taft Broadcasting Company
38. Scientific-Atlanta Inc.
39. Storer Broadcasting Company
40. Affiliated Publications Inc.
41. Viacom International Inc.
42. Multimedia Inc.
43. Tele-Communications Inc.
44. Burnup & Sims
45. Continental Copper & Steel Industries
46. Rogers Cablesystems Inc.
47. Turner Broadcasting Systems
48. Scripps-Howard Broadcasting Company
49. Heritage Communications Inc.
50. United Cable Television Corp.

Note: Ranked by total revenues.

Affiliated Publications, Inc.

135 Morriessey Boulevard
Boston, MA 02107
617-929-2000
William Davis Taylor (Chairman and Director)
John I. Taylor (Chairman of Exec. Committee, and Director)

CABLE INTERESTS:

- McCaw Communications, Inc., -(45%) Subscribers = 101,855 (5/82).
- Boston Globe and 2 Capital City Newspapers - joint venture with Knight-Ridder to bring KR's Viewtron, a videotex system, to Boston. (7/82).

COMMUNICATION INTERESTS

- Affiliated Broadcasting which owns 12 radio stations.
- The Boston Globe and The Globe Newspaper Company.
- Globe Pequot Press.
- California-Oregon Broadcasting, Inc.-acquired 4/82. Includes Pacific Teletronics.
- McCaw applied for total of 6 cellular radio applications; 2 jointly, 4 solely.

American Broadcasting Companies

1330 Ave. of the Americas
New York, NY 10019
212-887-7777
Leonard H. Goldenson (Chairman)
Elton H. Rule (President)

CABLE INTERESTS

- Alpha Repertory Television Service (ARTS)-Joint venture with Hearst and ABC. 1/81.
- Daytime—Joint venture with Hearst and ABC. 3/82 debut.
- Satellite News Channels—Joint venture with Group W and ABC. 8/81. SNC I debut 6/82. SNC 2 debut 1/83.
- ABC/Getty Pay Sports Service—Joint Venture with Getty Oil and ABC. 9/81
- Joint venture with Cox Communications to develop new technology for videotext; 2-way, addressable equipment.
- Filed applications with the FCC for Home View Network national subscription television distribution service. (7/82).
- Filed applications for low power television. Awaiting approval from FCC.
- ABC Video delayed indefinately a 24 hour satellite delivered radio service "Superadio".

COMMUNICATION INTERESTS

- 207 primary affiliated television station
- ABC Entertainment
- ABC News
- ABC Sports
- five television stations (100%)
  7 FM, 6AM radio stations
- Radio Network—ABC Talk Radio-4/82 debut.
- ABC Publishing
- ABC Motion Pictures
- ABC Scenic Attractions
- ABC Entertainment Center

American Express Company

American Express Plaza
New York, NY 10004
212-323-2000
James D. Robinson III (Chairman)
Alva O. Way (President)

CABLE INTERESTS

- Warner Amex Cable Communications—50-50% ownership with Warner Communications, Inc. 146 systems in 27 states. Total subs=907,266 (5/82).
- Recent franchises (1981)—suburban Chicago, IL, Dallas TX, Milwaukee; Subs=254,000, Cincinnati OH, St. Louis MO, Pittsburgh PA, QUBE Interactive systems operating in Columbus OH, Cincinnati OH, and Pittsburgh PA.
- Joint venture with Atari, Inc., Compuserve, Inc., and Warner to experiment in Columbus OH, to research consumer preferences regarding access to 4 major data banks. (NYT, Washington Post, LA Times, Associated Press) (1982 experiment).
- Warner Amex Satellite Entertainment Company (WASEC)
  —MTV
  —Nickelodeon
  —The Movie Channel
  —Agreement with Turner Broadcasting to represent all advertising sales for CNN I,II.

COMMUNICATION INTERESTS

- Amercian Express Publishing—2 magazines
- Mitchell Beazley Limited and American Express Direct Response (ADR)—supplies services to the direct mail industry.

Anixter Brothers, Inc.

4711 Golf RD. 1 Concourse
Skokie, Il 60076
312-677-2600
Alan B. Anixter (Pres.)
William R. Anixter (Exec. VP)

CABLE INTERESTS

- buys, stores, and sells electrical wire and cable products
- 7/14/82—Acquisition of Micro-Sat Communications LTD of Toronto by the Canadian subsidiary. Micro-Sat manufactures electrical wire and cable, converters, and cable hardware.

Arvin Industries, Inc.

1531 Thirteenth Street
Columbus, IN 47201
812-372-7271
James K. Baker (President)

CABLE INTERESTS

- Applied Technology Division which includes Arvin/Diamonds, researches, develops and tests video security systems, cable television equipment, and broadcasting equipment.

COMMUNICATION INTERESTS

- Acquired McGraw—Edison Company's International Metal Products Division (6/82).

Burnup & Sims

1333 South University Dr.
Ft. Lauderdale, FL 33324
305-587-4512

Nick A. Caporella (Pres.)
Michael M. Goldwire (V. Pres. and Assist.)

CABLE INTERESTS
- All companies design, engineer, manufacture, and install cable equipment:
- 1) Burnup & Sims Cable Com, Inc.
- 2) Cablevision Services
- 3) Control Com, Inc.
- 4) Electro Products
- 5) Consolidated Cable Corporation
- 6) Gardiner Communications
- Acquired Capscan Cable—coaxial cable manufacturer 4/82

COMMUNICATION INTERESTS
- approx. 16 subsidiaries manufacture for telephone industry.

CBS, Inc.

51 West 52 Street
New York, NY 10019
212-975-4321
William S. Paley (Chairman)
Thomas H. Wyman (President)

CABLE INTERESTS
- Acquisiton—Black Hawk Cable Communications Company (6/82) one system in Dallas, Ft. Worth area. subs=17,000.
- CBS Cable—cultural programming, advertising supported.
- 4/81 completed testing of teletext in Los Angeles, CA called Extravision. Resulted in a filing with the FCC for national teletext license. (6/82).
- 6/82—Testing of videotext with AT&T in Ridgewood NJ. One year test beginning 6/82.

COMMUNICATION INTERESTS
- 7 AM, 7 FM radio stations
- CBS Radio Network
- (3/82) CBS Radio Network II.
- 5 television stations
- CBS Television Network Division
- CBS Entertainment Division
- CBS Sports Division
- CBS News Division
- CBS Theatrical Films Division
- CBS Record Division
- CBS Records International Division
- CBS Video Enterprises
- CBS Publishing—8 magazines Educational and Professional Publications
- CBS Technology Center
- Acquired Cassell Publishing from Macmillan, Inc. 5/82.
- 7/7/82—CBS will distribute Coleco Industry's video game equipment and cartriges overseas.

Capital Cities Communications, Inc.

24 East 51st Street
New York, NY 10022
212-421-9595
Thomas S. Murphy (Chairman)
Daniel B. Burke (President)

CABLE INTERESTS
- Capital Cities CATV Division: 51 systems. CableCom General—43 of the 51.(7/2/81). Remaining systems are owned by Capital Cities directly. Total subs=303,062 (5/82).
- Fairchild Publications—publishes many periodicals including *Multichannel News* (Ft. Worth, TX & Kansas City)
- Capital Cities newspapers are negotiation to provide information services to cable operators. (7/82)

COMMUNICATION INTERESTS
- Six television stations
- 14 radio stations (7FM, 7AM)
- Nine daily newspapers
- 32 Business Specialized papers
- 22 Weekly community newspapers

Central Telephone & Utilities Corp.

OHare Plaza, 5725 N.E. River
Chicago, IL 60631
312-635-5500
Robert P. Reuss (Chairman)
William G. Mitchell (President)

CABLE INTERESTS
- Centel Cable Television—systems in FL, IL, IN, KY, MI, OH, TX. 124,593 subs (5/21/82).
- Videopath—regional cable interconnect network (Chicago IL) sold 20% to M/A Com.
- Centel Supply Company—markets supplies to the interconnect market. (and telephone).
- Diamond Communications Products, Inc.—hardware manufacturer.
- Wilco, Inc.—designs and constructs communication distribution networks.
- KEYCOM Electronic Publishing—Joint venture of Honeywell, (30%) Field Enterprises (16%) and Cental (54%) to provide videotext and teletext services to consumer markets.
- KEYCOM and Satellite Syndicated Systems—signed letter of intent to deliver national teletext magazine KEYFAX. (6/82)

COMMUNICATION INTERESTS
- Digitech Industries, Inc.—produces diagnostic hardware.
- Comco Electronics—master antenna operator.
- Filed with the FCC for cellular radio licenses. (6/82).

Continental Copper & Steel Industries

12 Commerce Drive
Cranford, NJ 07016
201-272-3850
Charles F. Mansfield (Chairman)
Milton S. Cohn (Vice Chairman)

CABLE INTERESTS
- CCS Cable—division created July 1, 1981 to manufacture coaxial cable for the cable television industry.

COMMUNICATION INTERESTS
- CCS Hatfield Wire & Cable

Cox Communications, Inc.

1601 West Peachtree Street
Atlanta, GA 30309
404-897-7000
Clifford M. Kirtland, Jr. (Chairman)
William A. Schwartz (President)

CABLE INTERESTS
- Cox Cable Communications—approximately 62 systems in 19 states. Subs=1.1 million. (5/82)
- INDAX—test market in San Diego. Operational in New Orleans, Van Couver, Tuscan. Cox Security Services.
- COMMLINE—non entertainment information source for institutional networks. Debut 6/82 Omaha, NE. SPOTLIGHT
- Robert Wold Company—19% interest.
- Joint venture with ABC to produce pay-per-view cable equipment (5/82). Plan series of pay-per-view events using ABC programming and Cox technology.
- Franchise pending in Tampa, FL. 6/82.

COMMUNICATION INTERESTS
- 5 VHF stations
- 1 UHF station
- 12 radio stations (5AM, 7FM)
- TeleRep—television sales representatives.
- Christal—radio sales representatives.
- Schulke Radio Productions
- STV—St. Louis (mid 1982).(100%)

Dow Jones & Co.

22 Cortlandt Street
New York, NY 10007
212-285-5000
Warren H. Phillips (Chairman)
Ray Shaw (President)

CABLE INTERESTS
- Continental Cablevision—(24.5%) systems in 10 states. Total subs=505,000 (5/82)
- Dow Jones News/Retrieval Service-approx. 15 data bases.
- Dow Jones Cable News Service—joint venture to produce 30 min. weekly business TV program. 10/82
- Prime Cable Corporation—system in Princeton, NJ with 8,600 homes.
- Home Link—partnership with Prime Cable and Kilgore Family.
- Acquired Aregon International's IV5-3 videotext system.

COMMUNICATION INTERESTS
- Wall Street Journal
- Barron's & American Demograophics magazines.
- Ottaway Newspapers
- Richard D. Irwin, Inc.
- International (Asian) Publications
- Dow Jones Radio 2—preselected subscriber programming via satellite and FM freq: A private frequency radio service. (5/82)
- European Wall Street Journal 4/83.

General Electric Company

General Electric Company
Fairfield, CT 06431
804-483-5000
John R. Welch, Jr. (Chairman)
John F. Burlingame (Vice-Chairman)

CABLE INTERESTS
- General Electric Cablevision—systems in CA, IL, IN, MI, MS, NY. Total 13 systems. Subs=298,000 (5/82).
- no franchising activity

COMMUNICATION INTERESTS
- 3 television stations
- 3 AM and 5 FM radio stations

General Instrument Corporation

1775 Broadway
New York, N.Y. 10019
212-974-8700
Frank G. Hickey (Chairman)

CABLE INTERESTS
- manufacturer of CATV Systems subscriber terminal equipment, etc.
- The Jerrold Divison—primarily manufactures the CATV products for General Instrument Corporation.
- Play Cable—50-50% joint venture with Mattel.
- United Satellite TV—investment of $5 million. programming distributor via satellite. (6/83).

COMMUNICATION INTERESTS
- Master Antenna Television (MATV)
- Data Systems (AmTote)
- Satellite System Division—research and development for DBS in Canada.
- Consolidation of TACO Division and Delhi division into RF Systems to market Jerrold products to MATV industry. (5/82)

General Telephone & Electronics

One Stamford Forum
Stamford, CT 06904
203-965-2000
Theordore F. Brophy (Chairman)
Thomas A. Vanderslice

CABLE INTERESTS
- Sylavania CATV Transmission System Division manufactures trunk amplifiers, line extenders and converters. Plans introduction of an addressable converter spring 1982.
- GTE Telenet Communications group—designs and operates communciation systems, eg. electronic mail.

COMMUNICATION INTERESTS
- 3 International telephone companies
- 6 Domestic telephone companies.
- Filed applications with the FCC For cellular radio licenses. (6/82)

Getty Oil Company

3810 Wilshire Boulevard
Los Angeles, CA 90010
213-739-2100
Sidney R. Petersen (Chairman)
Robert N. Miller (President)

CABLE INTERESTS
- Entertainment and Sports Programming Network, Inc. (85%)
- ABC/Getty Pay Sports Channel—joint venture 9/81.

Gulf & Western Industries

1 Gulf & Western Plaza
New York, NY 10023

(212) 333-7000
Charles G. Bluhdorn, (Chairman)
David N. Judelson, (President)

CABLE INTERESTS:
- USA Network—partnership with Time, Inc. and MCA, Inc.
- Madison Square Garden Network—supplies event packages for cable television.

COMMUNICATION INTERESTS:
- Paramount Motion Pictures
- Paramount Television
- Simon & Schuster
- Madison Square Garden Corporation
- Famous Players Limited
- Famous Music Corporation

Harte-Hanks Communications, Inc.

40 N.E. Loop 410
San Antonio, TX 78216
(512) 344-8000
Robert G. Marbut, (President)
Houston H. Harte, (Chairman of the board)

CABLE INTERESTS:
- Harte-Hanks Cable—Systems in CO, TX approx. 23,002 subs (5/82) (plus 3 under construction in FL and PA). Manages 7 systems with subs=23,500.
- Will acquire Southwestern Satellite in 1984 (4,000 subs).
- Compuserv and Associated Press.
- Experimentation in videotex systems, Framingham, MA.
- Will acquire UltraCom from AEL in 1984 (subs 43,000).
- Option to buy: Jim R. Smith & Company with systems in Southeastern AZ; Douglas, Payson, Williams system in AZ. Total subs=21,000.

OTHER COMMUNICATION INTERESTS:
- 86 newspapers
- 6 advertising pulbications
- 4 television stations
- 11 radio stations
- entertainment software

Heritage Communications, Inc.

2195 Ingersoll Ave.
Des Moines, IA 50312
(515) 245-7585
James M. Hoak, Jr., (President)
James S. Cownie, (Executive vice president)

CABLE INTERESTS:
- Heritage Communications Inc.—systems in AL, CA, CO, IA, IL, MS, TN, TX, WI. Total subs=248,231 (5/82). Total system=117.
- 1/82 Birmingham, MI awarded to joint venture of Booth Communications and Heritage (50-50%). Pot. homes 15,000. Pot. plant miles=150.
- Heritage is minority owner and general partner of 6 limited partnerships in IA, CO, MO, TX.
- 3/82 Waverly, IA awarded to Heritage (100%) to be built in 1982.
- Los Angeles, CA franchises granted to CATV West, Inc. (owned 80%). Total subs 30,000. (three communities).

COMMUNICATION INTERESTS:
- Sold two radio stations March 1982
- Shaw-Barton, Inc. merger. Specialty advertising.
- Addition of four companies to display advertising division. Operations in St. Paul, St. Louis, Dallas, and Houston.

Insilco Corporation

1000 Research Parkway
Meriden, CT 06450
(203) 634-2000
Durand B. Blatz, (Chairman)
Donald J. Harper, (President)

CABLE INTERESTS:
- Ownership of Times Fiber (75%)—manufacturer of coaxial cables and fiber optics.

COMMUNICATION INTERESTS:
- Taylor Publishing Company
- Investment in Broadstreet Communications: "Insilco Broadcast Group"=7 radio stations

---

Knight-Ridder Newspapers, Inc.

One Herald Plaza
Miami, FL 33101
(305) 350-2650
Alvah H. Chapman, Jr., (Chairman)
James K. Batten, (President)

CABLE INTERESTS:
- TKR Cable Company—joint venture with TCI. Systems in NJ. Pending in NY. Total subs in NJ 45,000 (7/82).
- NJ cable systems acquired from Cross Country Cable (2/82).
- Bay Cable, a subsidiary of KR applied for franchise in Tampa, FL in a joint venture with TCI. Pending (6/82).
- Viewdata Corporation of America (Viewtron)—joint venture with AT&T in videotex experiments; Dade County, FL. Plan to begin business in mid-1983 based on videotex experiments.

COMMUNICATION INTERESTS:
- 32 daily and 22 suburban newspapers, including Philadelphia Inquirer, Detroit Free Press, and Miami Herald.
- four television stations
- HPBooks
- Commodity News Service
- KR Newspaper Sales, Inc.
- KNT News Service
- Part owner of the following companies: Dublin Newsprint Mill; Seattle Times; Walla Walla Union-Bulletin

---

M/A-Com, Inc.

South Avenue
Burlington, MA 01803
(617) 272-9600
Dr. Lawrence Gould, (Chairman)
Richard T. DiBona, (President)

CABLE INTERESTS:
- Valtec—Philips and M/A-Com joint venture which

manufactures optical fiber cable.
- M/A-Com Comm/Scope, Inc.—manufactures coaxial cable.
- M/A-Com Comm/Scope Marketing, Inc.—markets the coaxial cable.
- M/A-Com Prodelin, Inc.—manufactures earth stations and electronic equipment.
- M/A-Com Video Satellite, Inc.—CATV earth station and electronic equipment.
- Nineteen other companies manufacture components and products for CATV industry users.
- MACOMNET, Inc.—transmission systems for teleconferencing.

COMMUNICATION INTERESTS:
- Approximately 24 companies serve markets such as telephone, broadcast, RCC, commercial radar and security, defense, and private networks.

MCA Inc.

100 Universal City Plaza
Universal City, PA 91608
Lew R. Wasserman, (Chairman)
Sidney Jay Sheinberg, (President)

CABLE INTERESTS:
- MCA owns 1/3 of USA Network.

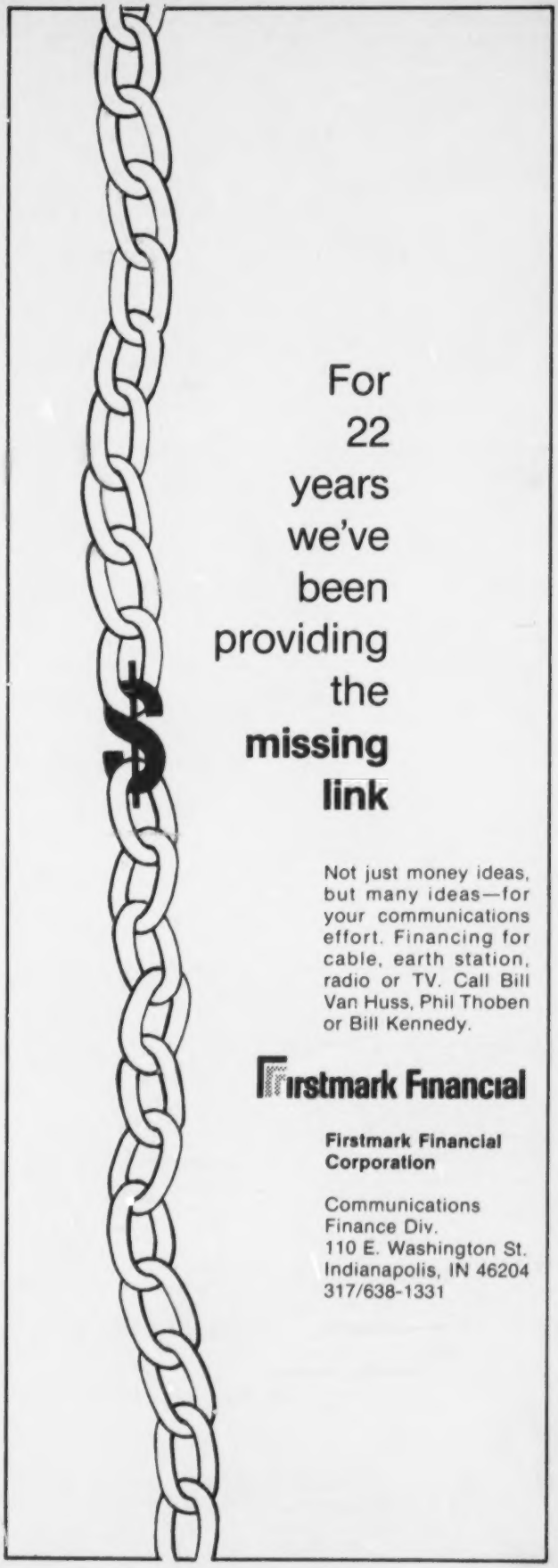
COMMUNICATION INTERESTS:
- MCA TV Entreprises
- MCA Publishing Rights
- MCA TV
- MCA Merchandising
- MCA Development
- MCA Recreation Services
- MCA Records
- MCA Videodisc
- Acquisition of Playboy's book dividion (6/82).

Multimedia, Inc.

P.O. Box 1688
Greenville, S.C. 29602
(803) 298-4373
Wilson C. Wearn (Chairman)
Walter E. Bartlett (Chief Operating Officer)

CABLE INTERESTS:
- Systems in IL, KS, OK, NC, 169,800 subs. Total 70 systems (5/82).
- Leases a cable station to air news from the Asheville *Citizen-Times* (2/82).
- Franchise award: Alsit, IL. One of 12 suburban Chicago franchises with total homes passed in Chicago area of 100,000 (6/82).
- Multimedia Cablevision Security Company, Inc.—acquired customer base, staff and facility of security company in Wichita, KS. Fall 1982 debut.

b3COMMUNICATION INTERESTS:
- 13 daily, 22 on-daily newspapers
- 6 television stations
- 12 radio stations
- Produces and syndicates programming



The New York Times Company

229 West 43rd Street
New York, NY 10036
(212) 556-1234
Arthur Ochs Sulzberger, (Chairman)
Walter E. Mattson, (President)

CABLE INTERESTS:
- New York Times Production—2/14/82 began plans to produe original programming for cable television. Mid-summer production scheduled.
- New York Times Cable—Audoban NJ, 55 communities. 93,000 subscribers (6/82).

COMMUNICATION INTERESTS:
- 13 weekly and 5 daily newspapers
- New York Times On-Line—full text retrieval service.
- Magazine publishing including *Family Circle, Golf Digest,* and *Tennis.*
- 3 television stations
- 2 radio stations
- Books, Information and Education, including Times Books, NYT News Service/Special Features, Teaching Resources.

North American Philips Corp.

100 East 42 Street
New York, NY 10017
(212) 697-3600
Pieter C. Vink, (Chairman)
Cees Bruynes, (President)

CABLE INTERESTS:
- Manufactures and develops high contrast, low power portable alpha-numeric display.
- Magnavox CATV Systems, Inc.—subsidiary which supplies modular amplifiers and distribution equip. for monitoring system performance.

COMMUNICATION INTERESTS:
- Acquisition of GTE's Sylvania and Philco electronics. 1981.
- Manufactures home entertainment products, video cassettes, color television receivers, projection TV, videodiscs.

Oak Industries, Inc.

16935 West Bernardo Drive
Rancho Bernardo, CA 92127
(714) 485-9880
Everitt A. Carter, (Chairman)
Raymond W. Peirce, (President)

CABLE INTERESTS:
- Manufacturer of electronic components, switches, quartz crystal products, resistors, appliance components, and laminating materials.
- Oak Communications—two CA systems. Total subs=33,700 (6/82).
- Oak Media Development Corporation—joint venture with Universal Pictures to produce movies for pay-TV.

COMMUNICATION INTERESTS:
- STV Operator—total subs=600,000.
- Developing scramblers and decoders for Direct Broadcasting via Satellite.
- VideoNet—(81%) produces teleconference services and programming.

The Penn Central Corporation

245 Park Ave.
New York, NY 10167
(212) 599-8000
Richard Dicker, (Chairman)
Richard A. Voell, (President)

CABLE INTERESTS:
- Manufactures wire and cable products and supplies services for cable industry.
- 1981—acquired G.K. Technologies, Inc. which owns General Cable Company and General Cable International.

COMMUNICATION INTERESTS:
- Sprague Electric Company

Pioneer Electronic Corporation

11222 LaCienega Blvd. St. 540
Inglewood, CA 90304
(614) 876-0771
Nozomu Matusmoto (Chairman and Repres. Director)
Yozo Ishizuka (President and Repres. Director)

CABLE INTERESTS:
- Manufactures system-related equipment. Concentration on Pioneer VIP technology.
- (Technology resulting from development of Warner Amex QUBE.)

COMMUNICATION INTERESTS:
- Home Audio products
- Auto Audio products
- Component TV systems (1/82)
- Laser video discs.

Playboy Enterprises, Inc.

919 North Michigan Ave.
Chicago, IL 60611
(312) 751-8000
Hugh M. Hefner, (Chairman)
Derick J. Daniels, (President)

CABLE INTERESTS:
- Escapade—joint venture with Cox Communications, Cablevision, and Daniels & Associates. Will be renamed "The Playboy Channel" early 1983.

COMMUNICATION INTERESTS:
- Magazine publishing: *Playboy, Games,* guides.
- Sold Book Publishing—PEI Books, Inc. to MCA, Inc. (6/82).
- Playboy Productions—television, home video, pay cable production.
- Proposed selling of Atlantic City casino-hotel (6/82).

RCA Corporation

30 Rockefeller Plaza
New York, NY 10020
(212) 621-6000

Thornon F. Bradshaw, (Chairman)
Frank T. Alfieri, (Executive vice president)

CABLE INTERESTS:
- RCA Cablevision Systems—supplies equipment and installation services for cable systems.
- The Entertainment Channel—joint venture with Rockefeller Center, Inc., a pay-TV programming service. Debut 6/82.

COMMUNICATION INTERESTS:
- 5 television stations
- 8 radio stations (4 AM, 4 FM)
- Application filed with the FCC for RCA Network Services—digital electronic message service. Awaiting approval (6/82).
- RCA Globcom—international satellite service.
- RCA Americom—domestic satellite service.

Rogers Cablesystems, Inc.

St. 2602, Box 249 Commercial Union Tower
Toronto, Canada
(416) 864-2373
John W. Graham, Q.C., (Chairman)
Edward S. Rogers, (Vice-chairman and CEO)

CABLE INTERESTS:
- Rogers Cablesystems Inc.—systems in United States, Ireland, Alberta,Ontario, British Columbia. Total subs=2.0 million (5/82).
- Rogers UA—Columbia Cablesystems includes: UA Columbia Cablevision, Inc. acquired Nov. 1981. Systems in 15 states with total subs of 467,000 (51%); US Cable Systems, Inc., Systems in CA, OR, MN, NY. Total subs 44,000 (100%).

Rollins Inc.

2170 Piedmont Road N.E.
Atlanta, GA 30324
(404) 873-1355
O. Wayne Rollins, (Chairman)
R. Randall Rollins, (President)

CABLE INTERESTS:
- Rollins Cable Vue—owns 80% of CT systems and 100% of those in DE and MA. Total subs=109,700. Franchising currently in RI. (5/82).
- Franchises granted in 1982: (as of 7/82)—North Reading, MA; Danvers, MA; Millis, MA; Norton, MA.

COMMUNICATION INTERESTS:
- 3 VHF stations
- One FM and 5 AM radio stations
- Outdoor advertising facilities

Sammons Enterprises

P.O. Box 225235
Dallas, TX 75265
(214) 670-9790

CABLE INTERESTS
- Sammons Communications, Inc.—systems in AL, CA, FL, IN, IA, KY, LA, MS, MO, NJ, NY, NC, OK, PA, TN, TX, VA, MD, WA. 43 systems total subs=456,593 (5/82).
- Franchise partnership—Ft. Worth, TEx. 80% ownership. Other 20% owned by local former owner. (4/81).
- Sammons Information Service—receive data transmission from Dow Jones and distribute to systems.
- Sammons Security Systems

Scientific-Atlanta, Inc.

One Technology Pky. Box 105600
Atlanta, GA 30348
(404) 441-4000
Sidney Topol, (Chairman)
Jack R. Kelly, Jr., (Executive vice president)

CABLE INTERESTS:
- Manufactures satellite earth stations, produces products for and has sales organizations for all segments of satellite communication field.
- Equipment manufactured includes: 1) antennas; 2) cable, coaxial cable; 3) subscriber home products; 4) earth stations.

Scripps-Howard Broadcasting Co.

1100 Central Trust Tower
Cincinnati, Ohio 45202
(513) 621-0131
Jack R. Howard, (Chairman)
Donald L. Perris, (President)

CABLE INTERESTS:
- Scripps-Howard Cable Services Company—Lake County FL-100% ownership; DeBarry FL-80% ownership; Tulare, CA-80% ownership. 20% Mickelson Media. Franchised in '82. Will build by year end; Ann Arbor, MI-49% ownership. Daniels & Associates owns and operates the franchise; Lower Fairfield County, CT-49% ownership. Cablevision Systems and a minority group own the rest. Under construction; Springfield, MA-18% ownership. Continental Cablevision and The Tribune Company own the rest. Will be built by 1982 year end.
- Participation in ABC/ Westinghouse (SNC) by supplying local news.
- Longmont, CO—franchise awarded (5/82).

COMMUNICATION INTERESTS:
- 4 AM radio stations
- 4 FM radio stations
- 6 television stations
- The Rocky Mountain News—appears on cable as a text service

Storer Broadcasting Company

1177 Kane Concourse
Bay Harbor Island
Miami Beach, FL 33154
(305) 866-0211
Peter Storer (Chairman)
Terry H. Lee (President)

CABLE INTERESTS:
- Storer Cable Communications—System total =117. Operational in 20 states. Total subs=972,224 (5/82).
- Major 1981 franchise awards: Prince George County,

MD-120,000 homes; Glendale, AZ-35,000 homes; Northwest Minneapolis-77,000 homes; West Pasco County, FL-64,000 homes; Washington County, OR-70,000 homes. Franchise pending in Tampa, FL (6/82).
- Spotlight—programming service
- Acquired Dade Cable Television Inc. (4/82). Subs =8,900.
- Northern Cablevision won state approval for operation of Minneapolis franchise. Sharing with Rogers UA (6/82).

COMMUNICATION INTERESTS:
- ☐ 7 television stations
- ☐ 3/82—sold last radio station to Viacom.

Taft Broadcasting Company

1718 Young Street
Cincinnati, Ohio 45210
(513) 721-1414
Charles S. Mechem, Jr., (Chairman)
Dudley S. Taft, (President)

CABLE INTERESTS:
- TCI-Taft Cablevision Associates—50-50% joint venture which acquires systems (57,000 subs 3/31/82).
- Taft-TCI Programs—50-50% joint venture which develops programming. Includes an investment in Black Entertainment TV.
- Proposed installation of teletext system at WKRC-TV, Cincinnati, OH.
- TCI-Taft acquires MI based Plains Cable TV Group Total subs=30,100 (4/82).

COMMUNICATION INTERESTS:
- 7 television stations
- 12 radio stations in 9 markets
- Hanna Barbarra Productions
- Worldvision Enterprises
- four theme parks
- Titus Productions and Ruby Spears Enterprises
- Philadelphia Phillies (47.5%)

Tele-Communications, Inc.

Box 22595, Wellshire Station
Denver, Colorado 80222
(303) 771-8200
Bob Magness, (Chairman of the board)
John C. Malone, PhD, (President and CEO)

CABLE INTEREST:
- Tele-Communications, Inc.—cable systems in 43 states. Subscribers=1,900,000 (582).
- TCI-Taft Cablevision Associates—50-50% joint venture which acquires systems. Subscribers=57,000 (3/31/82).
- Taft-TCI Programs—50-50% joint venture which develops programming. Includes an investment in Black Entertainment TV.
- 4/81—acquired Horizon Corporation with 135,000 subs. Includes MDS system in St. Louis, MO.
- 5/81—acquired Cable Information Systems, Inc. 60,000 subs.
- TKR Cable Company—joint venture with Knight-Ridder. 42,000 subs in 21 communities (2/82).
- Franchise pending in Tampa, FL (6/82).

COMMUNICATION INTERESTS:
- Western Tele-Communications, Inc.—TCI's microwave division. Provides common carrier communication services by means of terrestrial microwave video relay systems.
- TCI owns 20% of Spotlight.
- Proposed programming guide to service all TCI cable systems.

Time, Inc.

Time & Life Bldg., Rockefeller Center
New York, NY 10020
(212) 841-2515

CABLE INTERESTS:
- American Television and Communications Corp. (ATC). 1.9 million subs (5/82). 125 systems in 33 states.
- Home Box Office
- Cinemax
- USA Network—1/3 ownership.
- Time, Inc. is developing a cable television magazine to distribute program listings (4/82).

COMMUNICATION INTERESTS:
- WOTV, Grand Rapids, MI
- STV program marketing in Dallas, Boston, and Cleveland.
- Time-Life Books
- Magazine publishing (7).
- Teletext testing in two markets: San Diego and Orlando. Fall/82 debut.

The Times Mirror Company

Times Mirror Square
Los Angeles, CA 90053
(800) 421-8603
Otis Chandler (Chairman and editor-in-chief)
Robert F. Erburu (President and CEO)

CABLE INTERESTS:
- Times Mirror Cable Television—67 systems in 15 states. total subs = 691,225. (5/82). Combining two systems in Long Beach, CA to build 90 channel dual cable system. 6/82.
- Spotlight—pay TV service featuring motion picture and entertainment specials. (20%).
- American Cable Television (50%) with franchises in Phoenix, AZ and other cities.
- Times Mirror Videotext Services—interactive two-way videotex experiment in 2 communities in Orange County CA. Test runs 4/82—12/82.
- Videotex America—markets videotext service in U.S. (7/82)

COMMUNICATION INTERESTS:
- 8 newspapers
- Book Publishing: Matthew Bender & Co., C.V. Mosby Co., Yearbook Medicas Pub., New Library, Harry N. Abrahms, Southwest Company.
- 7 television stations
- 5 consumer magazines plus "Sporting News" (tabloid).
- Scientific chart production.

Tribune Company

435 N. Michigan Ave.
Chicago, IL 60611

(312) 222-3232
Stanton R. Cook, (President)
John W. Madigan, (Executive vice president)

CABLE INTERESTS:
- Tribune Cable Communications—systems in 9 states. Total subs=108,375 (5/82).
- TCC/United Cable Television—joint venture to seek franchises. Currently involved in MD, CA with franchises pending.
- TCC/United Cable—awarded first system in Oakland County, MI. Total homes =104,000.
- Franchise pending in Tampa FL (6/82).
- Participation in teletext experiment with ACT & Tribune Paper (Orlando Sentinel Star).
- Proposed participation in teletext experiments Alexandria VA (6/31/82).

COMMUNICATION INTERESTS:
- Chicago Cubs baseball team.
- Three television stations including WGN-TV.
- Five radio stations.
- Newspaper publishing.

Turner Broadcasting System, Inc.

1050 Techwood Drive
Atlanta, GA 30318
(404) 898-8500
R.E. Turner, (Chairman)
Robert Wusler (Executive vice president Turner Broadcasting)
William C. Bevins (Vice President of Finance)

CABLE INTERESTS:
- Cable News Network, CNN Headline News.
- WTBS

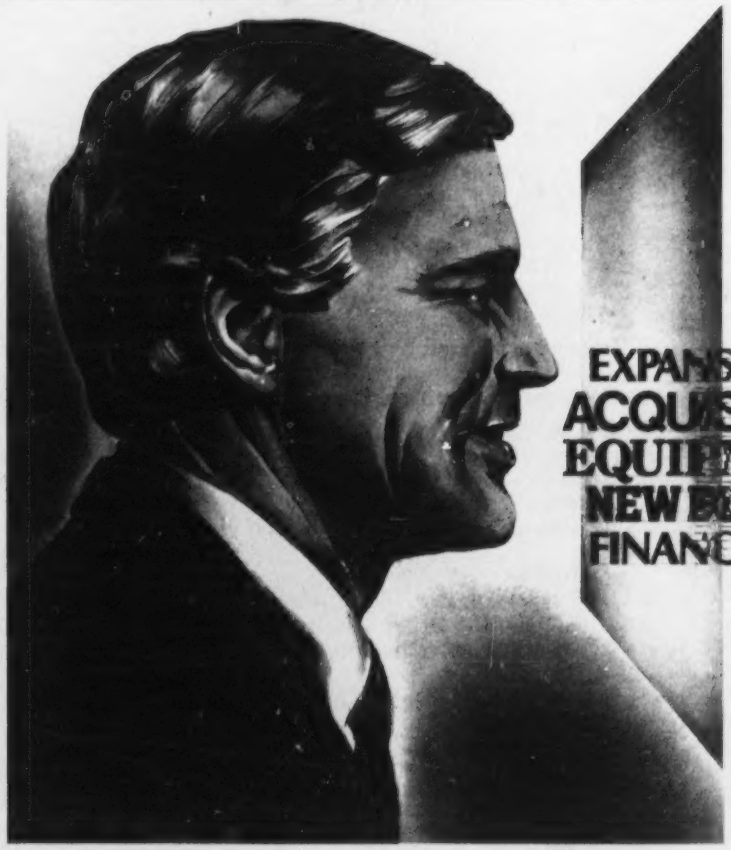
COMMUNICATION INTERESTS:
- Atlanta Braves
- 66% interest in Atlanta Hawks
- Sold Atlanta Chiefs (soccer) 1981.
- CNN Radio—4/1/82 debut. Audio portion of CNN Headline News sold as programming to radio stations.

United Cable Television Corp.

4700 S. Syracuse Parkway
Denver, CO 80237
(303) 779-5999
Gene W. Schneider, (President)
David R. Van Valkenburg, (Executive vice president)

CABLE INTERESTS:
- United Cable Television—37 systems in 84 communities in 16 states. Total subs =475,268 (5/82)
- Joint venture with The Tribune Cable Company (TCC) to seek franchise awards. 1981. Currently involved in MD, CA franchises pending.
- 3/82—franchise granted to TCC/United Cable Television in Oakland County MI. 104,000 homes.
- 4/82—franchise granted to United Cable in Hacienda and Alameda CA. and Scottsdale, AZ. 31,000 homes.
- 1/82 acquisition of Home kEntertainment Network (80%)., a subsidiary of Buford TV, Inc.

COMMUNICATION INTERESTS:
- (3 STV systems) Cincinnati, Chicago and Minneapolis



If your lender is feeding you the wrong signals, come to Central Bank of Denver for better reception.

When you come to Central Bank of Denver for assistance in financing your cable needs, you're in good company.

We've been helping cable companies in the Colorado region expand for over a decade.

During those years we've become knowledgeable and experienced lenders in the cable industry.

If you're ready to grow into new markets, call David Pringle or Gwen Reker. They won't tune you out.

Central Bank
of Denver
The Better Bankers.℠
1515 Arapahoe Street/Denver, Colorado 80292
(303) 893-1456/Member FDIC
CENTRAL BANCORPORATION, INC.

Viacom International, Inc.

1211 Avenue of the Americas
New York, New York 10036
(212) 575-5175
Ralph M. Baruch, (Chairman)
Terrence A. Elkes, (President)

CABLE INTERESTS:
- Viacom Cablevision—543,098 subs (5/82). Systems in 13 communities. NY, TN, OH, WI, WA, OR, CA.
- Owns 50% of Showtime with Group W of Westinghouse.
- Cable Health Network—debut 6/82.

COMMUNICATION INTERESTS:
- 2 television stations.
- Eight radio stations (4 A.M, 4 FM).
- Syndicated television properties and feature films.
- Programming, development and production for television.
- Home Video Entrtainment.
- Plans to purchase Video Corp. of America, subject to approval of board and stockholders (4/16/82).
- Viacom Worldwide—company developed to expand business internationally (7/82).

Walt Disney Productions

500 S. Buena Vista Street
Burbank, CA 91521
(213) 840-1000
E. Cardon Walker, (Chairman)
Ronald W. Miller, (President)

CABLE INTERESTS:
- The Disney Channel—50-50% joint venture with Group W of Westinghouse Broadcasting.

COMMUNICATION INTERESTS:
- Walt Disney Motion Picture and Television Production Division.
- Walt Disney Outdoor Recreation Division.
- Walt Disney Telecommunications and Non-Theatrical Division.
- Walt Disney Marketing Division.
- Walt Disney Music Company.
- Wonderland Music Company.

Warner Communications, Inc.

75 Rockefeller Plaza
New York, NY 10019
(212) 484-6990
Steven J. Ross, (Chairman)
Emanuel Gerard & David H. Horowitz, (President)

CABLE INTERESTS:
- Warner Amex Cable Communications—50-50% ownership with American Express Company. 147 systems in 27 states. Total subs=1,000,000 (projected 10/82).
- Recent franchises (1981)—suburban Chicago IL, Dallas TX, Cincinnati OH, St. Louis MO, Pittsburg PA, Milwaukee; subs=254,000.
- Joint venture with Atari, Inc., Compuserve, Inc., and American Express to experiment in Columbus OH to research consumer preferences regarding access to 4 major data banks. (NYT, Washington Post, LA Times, Associated Press) (1982 experiment).
- Warner Amex Satellite Entertainment Company (WASEC)—MTV; Nickelodeon; The Movie Channel; Agreement to represent all advertising for CNN, CNN Headline News with Turner Broadcasting; proposed acquisition of MGM-UA Entertainment Co. (6/82); QUBE interactive systems operating in Columbus OH, Cincinnati OH, and Pittsburgh PA.

COMMUNICATION INTERESTS:
- Consumer Electronics (Atari)
- Recorded Music and Publishing Division: Atlantic Record Company; Elektra/Asylum Records; Warner Brothers Records; WEA Corporation; WEA International; Warner Brothers Music; WEA Manufacturing.
- Warner Theater Productions
- Filmed Entertainment Division: Panavision, Warner Brothers, Warner Brothers Programming; Warner Home Video.
- Warner Publishing Division: Warner Books; Warner Publ. Services, DC Comics; Mad Magazine.

Westinghouse Electric Corp.

Gateway Center
Pittsburgh, PA 15222
(202) 833-5055
R.E. Kirby, (Chairman)
Douglas D. Danforth, (Vice chairman)

CABLE INTERESTS:
- Group W Satellite Communications (GWSC)—Satellite News Channel 1, 6/21/81 debut; Satellite News Channel 2, 1/83 debut; Nashville Network, 3/83 debut; The Disney Channel, 2nd quarter '83 debut; Home Theater Network Plus.
- Group W Cable—1.7 million subs (5/82).
- Clearview Cable TV—(100%) 80,000 subs in GA, FL.

COMMUNICATION INTERESTS:
- 6 television stations
- 12 radio stations
- Muzak & Filmation Studios
- WOWO radio in Ft. Wayne, IN sold to Price Communications. Awaiting approval of FCC 7/82.

Wometco Enterprises, Inc.

316 N. Miami Ave.
Miami, FL 33128
(305) 579-1200
Mitchell Wolfson, (Chairman)
Charles Simons, (Acting president)

CABLE INTERESTS:
- Wometco Cable TV, Inc.—Systems in GA, MS, LA, AL, OK, NY, NC, SC. Total subs=205,544 (5/82). Includes small system in the Bahamas.

COMMUNICATION INTERESTS:
- 6 television stations (4 VHF)
- one radio station
- Wometco Home Theater—two over the air STV services (NY, NJ, CT, PA).

Zenith Radio Corporation

1000 Milwaukee Ave.
Glenview, IL 60025
(312) 745-2000
Joseph S. Wright, (Chairman)
Revone W. Kluckman, (President and CEO)

CABLE INTERESTS:

- Videotex system technology exploration and development;
- ZTAC—addressable converter/decoder system. Manufactured and distributed.
- Z-TEXT—addressable converter/decoder to be used with ZTAC for teletext and videotex.
- Manufacture decoder equipped TV receivers for over-air experimental transmissions by Field Enterprises in Chicago and Taft Broadcasting in Cincinnati.
- Manufacture Viewdata terminals for Prestel Company's systems.
- Supply decoders to Time Inc. for teletext exp. using the NABTS in San Diego and Orlando FL.
- Supply decoders to Southern Satellite Systems CABLETEXT operations nationwide.

COMMUNICATION INTERESTS:

- Entered market of component television (5/82).

Company	Total revenues '81	Total revenues '80	Total revenues % ch.	Net income '81	Net income '80	Net income % ch.	Total assets '81	Total assets '80	Total assets % ch.
General Electric	27,240	24,959	+9.1	1,652	1,511	+9.0	20,942	18,511	+13.1
Getty Oil	13,251	10,436	+26.9	856.9	871.9	-1.7	9,536.4	8,266.7	+15.3
GTE[1]	11,026	9,979	+10.5	690	447	+54.4	21,113.3	19,525	+8.1
Westinghouse[2]	9,367	8,514	+10	438	402	+8.7	8,316.2	6,815.4	+22
RCA[3]	8,004.8	8,001.3	0	54	315	-82.9	7,856.7	7,147.6	+9.9
American Express[4]	7,211	6,366	+13.3	518	462	+12.1	25,103	22,608	+11
Gulf+Western	5,702.5	5,338.5	+6.8	290.9	255.3	+13.9	5,893.2	5,416.8	+8.7
CBS Inc.[5]	4,125.9	4,062.1	+1.5	163.8	193	-15.1	2,425.6	2,301.2	+5.4
Penn Central[6]	3,348.8	2,013.7	+66	168.7	93.6	+80	3,394.9	2,726	+24.5
Time Inc.[7]	3,296.4	2,800	+17.7	148.8	141.2	+5.4	2,754.8	2,322.6	+18.6
Warner Communications[8]	3,237.2	2,059	+57.2	226.5	137.1	+65.2	2,673.6	1,768.8	+51.2
North American Philips[9]	3,030.4	2,171.4	+39.5	104	74.5	+39.6	1,854.1	1,517.9	+22.1
ABC	2,443.7	2,280.4	+7.2	146.3	146.3	+0	1,588.3	1,418.3	+12.0
Times Mirror[10]	2,130.8	1,868.9	+14.0	N/A	139.2		1,917.2	1,734.8	+10.5
Pioneer[11]	1,433.8	1,320.0	+8.6	63.8	86.2	-25.9	1,158.6	918.1	+26
Tribune Company[12]	1,406.3	1,233.3	+14.0	9.1	78.0	+14.2	1,363.9	1,071.3	+27.3
MCA Inc.	1,329.0	1,297.1	+2.5	89.8	137.6	-34.8	1,367.7	1,390.6	-1.6
Zenith Radio	1,275.2	1,185.9	+7.5	15.6	26.4	-40.9	743.2	655.4	+13.4
Knight-Ridder	1,237.1	1,098.5	+12.6	100.4	92.9	+8.1	984.7	862.4	+14.2
Sammons Enterprises[13]	N/A	1,200		N/A	48.0		N/A	945	
Centel[14]	1,020.4	895.3	+13.9	104.5	91.9	+13.7	2,036.3	1,899	+7.2
Walt Disney	1,005	914.5	+9.9	121.5	135.2	-10.1	1,610.0	1,347.4	+19.5
New York Times[15]	845.2	733.2	+15.3	50.0	40.6	+23.1	598.9	449.5	+33.2
General Instrument[16]	957.1	825.1	+16.0	90.0	68.1	32.3	772.2	645.4	+14.3
Insilco Corp.[17]	684.9	641.8	+6.7	34	30.4	+11.7	594.9	537.5	+10.7
Dow Jones & Co.	641	530.7	+20.8	71.4	58.9	+21.2	532.1	396.6	+34.2

Top 50 financial overview

The companies listed here are 50 of the top firms involved in the cable television industry ranked by total revenues. All dollar figures are in millions.

Cable revenues			Operating income			Identifiable assets			Stock prices	
'81	'80	% ch.	'81	'80	% ch.	'81	'80	% ch.	'81 hi/lo	'80 hi/lo
N/A			N/A			N/A			69⅞/51⅛	63/44
N/A			N/A			N/A			93½/55¼	108¼/65½
2,238	2,110	+6.1	110	131	-16	1,769	1,673	+5.7	34¼/24⅝	29¼/23
431	266	+62	78.1	64.4	+21.3	1,376.2	204.5	+57.3	34½/23	32½/19
269.8	253.5	+6.4	83.1	90.9	-8.6	693.4	579.9	+19.5	32¼/16¾	33/18½
109.5	58	+88.8	-10	0		N/A			54⅜/37½	40⅜/25¼
N/A			N/A			N/A			22⅛/14	18⅝/10⅞
1,919.9	1,701.4	+12.8	299.6	248.8	+20.6	N/A	641.8		61¼/46	55¾/50¼
286.6			18.7			374.9			32⅝/31⅛	21⅛/9⅜
618	410	+50.7	123	93	+32.2	863	597	+44.5	41⅜/26⅝	31⅝/19
109.5	58	+88.8	-10.0	0		N/A			58⅝/35⅝	40¾/17¼
690.8	529.9	+30.3	43.3	34.3	+26.3	346.8	307.4	+12.8	59⅝/35¾	39⅞/23½
N/A			N/A			N/A			38¼/27	39¼/25⅝
190.6	139.9	+36.2	64.2	47.2	+35.8	421.9	338.7	+24.6	58½/39¾	45⅝/28¾
94.3	74.0	+27							31⅜/16¼	19⅜/10½
154.1	126.0	+22.3	27.1	25.5	+6.2	267.2	144.8	+84.5	Private firm	
N/A									59/38⅝	57¾/44⅛
109.0	81.0	+34.5	N/A						21½/10¼	21¼/7⅞
N/A			N/A			N/A			41¾/26¾	32⅛/19⅛
59.5	50.2	+18.5	7.1	3.4	+108	106.2	97.4	+9	Private firm	
155.8	129.4	+20.4	17.3	15.1	+15.2	137.4	71.4	+92.7	35¾/23⅛	27⅞/21¼
N/A			N/A			N/A			67⅛/41¾	53⅞/35½
36.8	17.3	+113.2	3.5	3.8	-8.2	133.8	48.4	+176.1	38½/26½	38/18
409.5	301.3	+31	121.8	82.2	+48.1	163.9	107.1	+53	46¾/26	33¼/15½
120	100.3	+19.6	7	5.2	+34.5	69.4	51	+36	23⅝/14⅛	23⅜/10¼
N/A			N/A			N/A			55¼/29⅝	31½/17½

Company	Total revenues '81	Total revenues '80	Total revenues % ch.	Net income '81	Net income '80	Net income % ch.	Total assets '81	Total assets '80	Total assets % ch.
Capital Cities Comm.[19]	573.8	472.1	+21.5	80.5	70.8	+13.7	697.6	520	34.2
M/A-COM Inc.	514.7	341.5	+50.7	40.3	26.7	+51	517.7	260.1	+99
Oak Industries[19]	507.1	385.6	+31.5	30.4	20.1	+51.5	609.3	408.7	+49.1
Arvin Industries	502.8	431.0	+16.7	12.4	7.6	+63.7	293.4	304	-3.7
Rollins Inc.[20]	454.6	400.4	+14.0	44.4	35.3	+26	313.5	281.0	+12
Anixter Brothers	441.5	363.6	+21	18.5	15.3	+21	198.3	161.6	+23
Wometco Enterprises	434.2	357.2	+21.5	24.4	20.8	+17.3	448.2	337.6	+32.7
Cox Communications	403.5	309.2	+30.5	55.5	56.4	-1.6	604.4	461.3	+31.
Playboy Enterprises	388.9	363.2	+7	14.3	13.1	+9.7	291.9	320.5	-8.9
Harte-Hanks[21]	348.5	303.7	+14.8	25.4	22.7	+11.7	397.8	341.2	+16.5
Taft Broadcasting[22]	358.2	262.4	+36.5	74.9	53.7	+39.7	611.9	579.1	+5.6
Scientific-Atlanta	277.3	192	+44.4	19	12.7	+49.4	197.2	138.9	+42
Storer Broadcasting	276.4	197.1	+40.3	31.9	24.8	+28.5	844.6	505.8	+67
Affiliated Publications	236	206.5	+14.3	14.2	12.9	+10.5	125.6	105	+19.7
Viacom International	210.4	160.1	+31.5	18.9	15.8	+20.1	443.6	367.9	+20.6
Multimedia Inc.	195.3	163.6	+19	25.8	21.6	+19.5	256.1	211.1	+21
Tele-Communications Inc.	181.4	124.4	+45.8	12.8	8.3	+55.6	608.3	348.6	+75
Burnup & Sims[23]	237	167.4	+42	9.3	6.0	+53.6	N/A	139.9	N/A
Continental Copper & Steel[24]	165.5	180.7	-8.4	6.7	4.5	+49.5	96.4	101.4	-4.9
Rogers Cablesystems[25]	109.6	70	+56.5	2.6	12.4	-79	421.3	306.2	+37.6
Turner Broadcasting[26]	95	54.6	+74	(13.4)	(3.6)	-275.5	77	54	+42.4
Scripps-Howard[27]	87.3	77	+13.4	19.2	16.5	+16.6	112.8	93.3	+20.9
Heritage Comm.	77.2	25.1	+207.6	3.8	1.8	+113.7	111.8	67.3	+66.2
United Cable Television	62.8	44.7	+40.6	7.9	6.5	+21.2	155.4	98.3	+58

[1]Cable revenues, operating income and identifiable assets represent the communication products division, which includes cable television.
[2]Cable revenues, operating income and identifiable assets represent the broadcasting and cable divisions.
[3]Cable revenues, operating income and identifiable assets represent the communications division, which includes cable television.
[4]Cable revenues and operating income were estimated.
[5]Cable revenues, operating income and identifiable assets represent the broadcasting division, which includes cable television.
[6]Cable revenues, operating income and identifiable assets represent the wire and cable manufacturer, G.K. Technologies Inc. which was acquired in 1981.
[7]Cable revenues, operating income and identifiable assets represent WOTV, Time-Life Films and cable television.
[8]Cable revenues, operating income and identifiable assets wree estimated.
[9]Cable revenues, operating income and identifiable assets represent the professional equipment division, which includes equipment for cable television.
[10]Cable revenues, operating income and identifiable assets include the broadcast and the cable division.
[11]Cable revenues include revenues from laser disc players and discs, dictating machines, telephone answering devices, loud speakers and playback equipment.
[12]Cable revenues, operating income and identifiable assets represent the broadcasting, entertainment and cable divisions.
[13]Cable revenues, operating income and identifiable assets represent Sammons Communication, a subsidiary which deals only in cable television.

Cable revenues			Operating income			Identifiable assets			Stock prices	
'81	'80	% ch.	'81	'80	% ch.	'81	'80	% ch.	'81 hi/lo	'80 hi/lo
21.4	.03	+712.3	(3.1)	(2.5)	-22.3	186	9	+1,964	80½/56½	72/40
180.5	108.9	+65.7	30	18.0	+66.2	95.3	70.4	+35.3	35½/20¾	25¾/7¾
260.5	161.4	+61.5	53.8	32.6	+65.3	291	130	+123.7	38½/21⅛	25⅛/13¼
N/A			N/A			N/A			18/12⅛	16⅛/9¾
62.1	54.7	+13.5	18.3	16.2	+13	52.6	45.9	+14	22½/13⅜	15⅛/17⅛
N/A			N/A			N/A			20⅞/12⅛	19½/5½
33	20.4	+61.9	4.7	3.5	+33.3	95.9	63.2	+51.9	25¼/14¾	17⅜/9⅜
188.5	125.9	+49.7	30.5	21.8	+39.7	391.1	252.5	+54.9	39⅛/27⅛	30⅜/15
N/A			N/A			N/A			17⅜/10½	19½/11
68	62.2	+9.3	16.5	16.5	0	128.2	116.4	+10.1	40¾/29	35/19⅝
N/A			N/A			10.5	N/A	—	35¾/25⅜	34/24½
N/A			N/A			N/A			34¾/18⅛	22⅛/8
132.7	68.3	+94.2	5	5.2	-3.5	629.1	335.6	+87.5	43/23¾	43/36
N/A			N/A			N/A			33¾/26⅜	32½/14½
85.2	66.3	+28.5	15.7	14.8	+6.2	150.1	99.9	+50.2	32½/22	29½/15⅝
19.4	8.9	+117	3.3	1	+233.2	76.9	38.6	+99.5	37¼/27	32/15
167.7	11.9	+49.9	30	19.7	+52.2	574.2	275.7	+108.3	31¾/16⅝	29¾/7⅛
89.9	50.0	+79.6	8.2	5.5	+48.4	31.8	23.9	+32.7	17⅞/8½	11½/5⅜
106.8	122.3	-12.7	2.4	5.7	-58.3	52.2	52.4	-45	8½/5⅜	8⅛/5
N/A			N/A			N/A			13¼/5⅜	14⅜/4⅛
83	42.7	+94.4	6.9	5.9	+218.2	47.1	34.5	+36.8	20/6½	8⅜/6⅛
N/A			N/A			N/A			23¼/11⅜	16½/12¾
27.5	13.8	+99.3	6.2	2.7	+130.5	72.9	55.9	+30.4	16½/8	18¼/5⅛
N/A			N/A			N/A			36¾/14⅛	16¼/7⅜

[14]Cable revenues, operating income and identifiable assets represent the communications and video operations, which includes cable television.
[15]Cable revenues, operating income and identifiable assets represent the broadcasting division, which includes cable television.
[16]All figures are year end 1982. Cable revenues, operating income and identifiable assets represent the broadband communications division.
[17]Cable revenues, operating income and identifiable assets represent Times Fiber, a subsidiary with 80 percent CATV related sales.
[18]Cable revenues, operating income and identifiable assets include the July 1981 acquisition of CableCom General.
[19]Cable revenues, operating income and identifiable assets represent Oak's two cable systems, STV and cable equipment.
[20]Cable revenues, operating income and identifiable assets represent the media group, which includes television, radio and cable operations.
[21]Cable revenues, operating income and identifiable assets represent the broadcasting group, which consists of television, radio and cable television.
[22]All figures are year end 1982.
[23]Total revenue, net income and total assets are year end 1982. Cable revenues, operating income and identifiable assets represent CATV, REA and Electrical equipment division and are 1981 figures.
[24]Cable revenues, operating income and identifiable assets represent total wire and cable production.
[25]Cable revenues, operating income and identifiable assets are identical to total figures. Rogers is solely a cable company.
[26]Cable revenues, operating income and identifiable assets represent the broadcasting and cable television divisions.
[27]Scripps-Howard is owned by E.W. Scripps (70 percent).